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## LABOUR FORCE, VICTORIA, AUGUST 1997

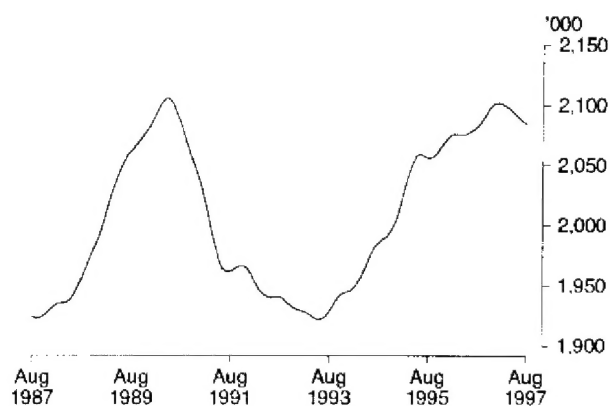
### SUMMARY OF FINDINGS

#### Employment

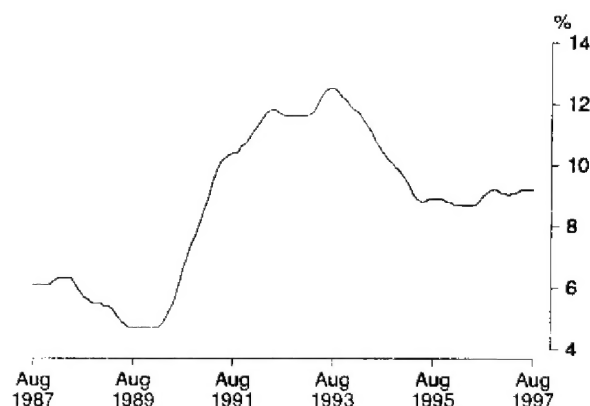
The August 1997 seasonally adjusted estimate of employed persons in Victoria was 2,070,200, a fall of 15,600 since May 1997. Male employment fell by 8,800 to 1,174,700 while female employment fell by 6,800 to 895,400 since May 1997.

The provisional trend estimates of total employment have been falling since February 1997.

EMPLOYED PERSONS: TREND SERIES, VICTORIA



UNEMPLOYMENT RATE: TREND SERIES, VICTORIA



#### Unemployment

The seasonally adjusted estimate of unemployed persons in Victoria for August 1997 was 213,400, a slight rise since May 1997. The seasonally adjusted estimate of the unemployment rate was 9.3%, a rise of 0.1% since May 1997. Male unemployment rose slightly to 117,900, and female unemployment rose slightly to 95,500 since May 1997.

The provisional trend estimate of the unemployment rate has been steady for the last few months.

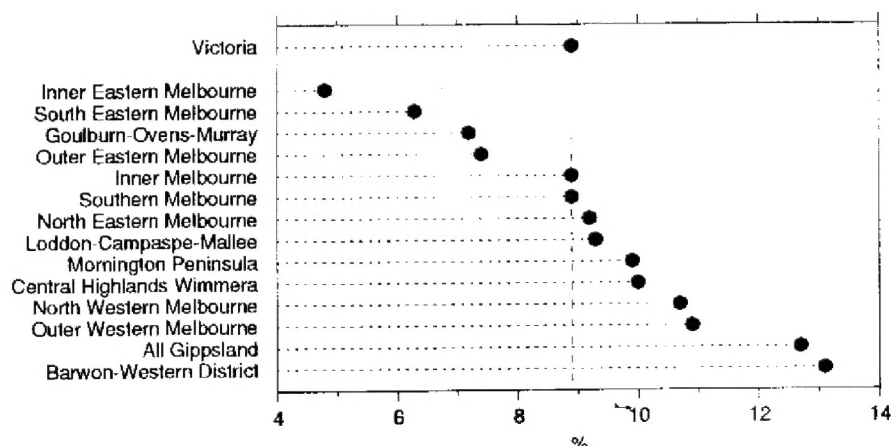
#### INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, please contact Rod Smith on (03) 9615 7057 or any ABS State office.
- for information about other ABS statistics and services, please contact Information Services on (03) 9615 7755 or any ABS State office.

## Regions

In August 1997, the regions inside the Melbourne Major Statistical Region with the highest unemployment rates (original series) were Outer Western Melbourne (10.9%) and North Western Melbourne (10.7%). The regions outside the Melbourne Major Statistical Region with the highest unemployment rates were Barwon-Western District (13.1%) and All Gippsland (12.7%). The lowest unemployment rate recorded in any region in August 1997 was 4.8% for Inner Eastern Melbourne.

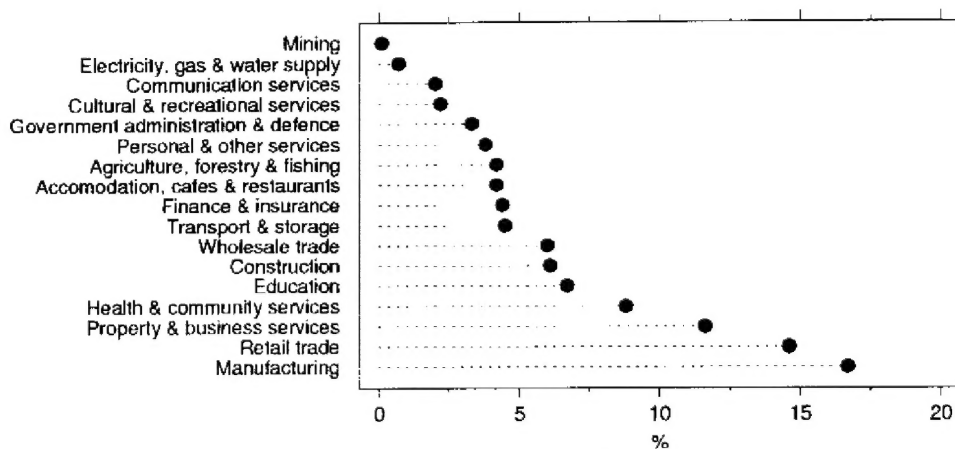
UNEMPLOYMENT RATES: ORIGINAL SERIES, LABOUR FORCE REGIONS  
VICTORIA, AUGUST 1997



## Industry

The two largest industries in Victoria with respect to employment were Manufacturing (343,500 employed) and Retail trade (300,500 employed). Together these industries employed 31.3% of all employed persons in Victoria in August 1997. Property and business services, and Health and community services were the next largest, with 238,500 and 182,200 employed, respectively.

DISTRIBUTION OF EMPLOYED PERSONS BY INDUSTRY: ORIGINAL SERIES  
VICTORIA, AUGUST 1997



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**TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS, VICTORIA: ORIGINAL SERIES**

Month	Employed		Unemployed			Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Civilian population 15 years and over ( <sup>'000</sup> )	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full-time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )	Full-time ( <sup>'000</sup> )	Part-time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )					
MALES										
1996 -										
June	1,057.0	1,187.1	88.5	12.7	101.2	1,288.3	469.5	1,757.8	7.9	73.3
July	1,055.2	1,185.0	90.7	13.9	104.5	1,289.5	470.3	1,759.8	8.1	73.3
August	1,045.0	1,182.2	98.5	13.5	112.0	1,294.2	467.7	1,761.9	8.7	73.5
September	1,040.3	1,185.8	107.8	15.6	123.3	1,309.1	454.8	1,763.9	9.4	74.2
October	1,047.5	1,185.9	101.5	15.7	117.2	1,303.1	462.5	1,765.5	9.0	73.8
November	1,049.0	1,192.4	104.1	12.3	116.4	1,308.8	458.4	1,767.2	8.9	74.1
December	1,059.4	1,201.7	103.4	16.4	119.8	1,321.5	447.4	1,768.8	9.1	74.7
1997 -										
January	1,050.9	1,184.8	108.4	16.6	125.0	1,309.8	460.3	1,770.2	9.5	74.0
February	1,049.8	1,180.9	113.2	19.2	132.4	1,313.3	458.2	1,771.5	10.1	74.1
March	1,037.5	1,184.1	104.8	20.0	124.8	1,308.9	463.9	1,772.9	9.5	73.8
April	1,044.3	1,186.3	97.1	19.3	116.5	1,302.8	472.0	1,774.8	8.9	73.4
May	1,040.9	1,183.3	101.9	13.8	115.7	1,299.0	477.7	1,776.7	8.9	73.1
June	1,033.1	1,182.8	104.0	15.8	119.8	1,302.6	476.0	1,778.6	9.2	73.2
July	1,039.7	1,185.2	98.3	14.0	112.3	1,297.5	483.0	1,780.6	8.7	72.9
August	1,022.4	1,168.7	100.2	15.2	115.4	1,284.0	498.5	1,782.5	9.0	72.0
FEMALES										
1996 -										
June	505.0	895.6	48.4	28.2	76.7	972.3	861.5	1,833.8	7.9	53.0
July	527.3	897.7	53.7	28.7	82.4	980.2	856.0	1,836.2	8.4	53.4
August	507.7	893.2	60.8	25.3	86.1	979.3	859.3	1,838.6	8.8	53.3
September	517.9	914.3	62.5	29.0	91.5	1,005.7	835.2	1,841.0	9.1	54.6
October	514.1	906.1	59.8	27.7	87.5	993.6	849.4	1,842.9	8.8	53.9
November	515.4	913.3	62.9	24.9	87.8	1,001.1	843.8	1,844.9	8.8	54.3
December	520.2	918.1	63.6	32.0	95.6	1,013.7	833.1	1,846.8	9.4	54.9
1997 -										
January	511.9	888.2	64.1	24.1	88.2	976.4	871.9	1,848.3	9.0	52.8
February	511.1	903.0	72.0	29.6	101.7	1,004.7	845.0	1,849.7	10.1	54.3
March	501.2	904.3	63.3	32.5	95.8	1,000.1	851.0	1,851.1	9.6	54.0
April	503.8	914.2	63.0	30.4	93.4	1,007.7	845.4	1,853.1	9.3	54.4
May	503.7	907.5	61.9	30.8	92.7	1,000.2	854.9	1,855.1	9.3	53.9
June	512.1	921.1	60.6	27.0	87.6	1,008.8	848.3	1,857.1	8.7	54.3
July	523.1	917.8	56.3	25.7	82.0	999.8	859.3	1,859.0	8.2	53.8
August	498.5	891.5	57.8	29.0	86.7	978.2	882.7	1,861.0	8.9	52.6
PERSONS										
1996 -										
June	1,562.0	2,082.8	136.9	41.0	177.8	2,260.6	1,331.0	3,591.6	7.9	62.9
July	1,582.5	2,082.7	144.4	42.6	187.0	2,269.7	1,326.3	3,596.0	8.2	63.1
August	1,552.7	2,075.4	159.3	38.8	198.2	2,273.5	1,326.9	3,600.4	8.7	63.1
September	1,558.1	2,100.0	170.3	44.5	214.8	2,314.8	1,290.0	3,604.9	9.3	64.2
October	1,561.6	2,091.9	161.3	43.4	204.7	2,296.6	1,311.8	3,608.5	8.9	63.6
November	1,564.4	2,105.7	167.0	37.2	204.2	2,309.9	1,302.2	3,612.0	8.8	63.9
December	1,579.5	2,119.8	167.0	48.4	215.4	2,335.2	1,280.5	3,615.7	9.2	64.6
1997 -										
January	1,562.8	2,073.0	172.5	40.7	213.2	2,286.2	1,332.2	3,618.4	9.3	63.2
February	1,560.9	2,084.0	185.2	48.9	234.1	2,318.0	1,303.2	3,621.2	10.1	64.0
March	1,538.7	2,088.4	168.1	52.5	220.6	2,309.0	1,315.0	3,624.0	9.6	63.7
April	1,548.1	2,100.6	160.2	49.7	209.9	2,310.5	1,317.4	3,627.9	9.1	63.7
May	1,544.6	2,090.8	163.8	44.7	208.4	2,299.2	1,332.6	3,631.8	9.1	63.3
June	1,545.2	2,103.9	164.6	42.9	207.5	2,311.4	1,324.4	3,635.7	9.0	63.6
July	1,562.8	2,103.0	154.6	39.7	194.3	2,297.3	1,342.3	3,639.6	8.5	63.1
August	1,520.9	2,060.2	157.9	44.2	202.1	2,262.3	1,381.2	3,643.5	8.9	62.1

**TABLE 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS, VICTORIA: SEASONALLY ADJUSTED SERIES**

<i>Month</i>	<i>Employed ( '000)</i>	<i>Unemployed ( '000)</i>	<i>Labour force ( '000)</i>	<i>Unemployment rate (%)</i>	<i>Participation rate (%)</i>
<b>MALES</b>					
<i>1996 -</i>					
June	1,186.1	106.3	1,292.5	8.2	73.5
July	1,183.8	109.1	1,292.9	8.4	73.5
August	1,188.5	114.6	1,303.0	8.8	74.0
September	1,181.9	120.9	1,302.9	9.3	73.9
October	1,185.5	121.9	1,307.4	9.3	74.1
November	1,194.8	118.5	1,313.3	9.0	74.3
December	1,185.0	120.2	1,305.2	9.2	73.8
<i>1997 -</i>					
January	1,193.5	117.5	1,311.0	9.0	74.1
February	1,182.8	120.1	1,302.9	9.2	73.5
March	1,186.5	122.3	1,308.8	9.3	73.8
April	1,187.3	120.7	1,307.9	9.2	73.7
May	1,183.5	115.7	1,299.3	8.9	73.1
June	1,182.0	126.0	1,307.9	9.6	73.5
July	1,184.1	117.3	1,301.4	9.0	73.1
August	1,174.7	117.9	1,292.6	9.1	72.5
<b>FEMALES</b>					
<i>1996 -</i>					
June	892.7	80.3	973.0	8.3	53.1
July	888.4	88.7	977.1	9.1	53.2
August	896.8	95.0	991.8	9.6	53.9
September	899.6	90.8	990.4	9.2	53.8
October	898.8	94.1	992.9	9.5	53.9
November	912.3	93.3	1,005.6	9.3	54.5
December	910.4	89.8	1,000.2	9.0	54.2
<i>1997 -</i>					
January	921.4	86.4	1,007.8	8.6	54.5
February	916.8	88.0	1,004.8	8.8	54.3
March	901.3	88.9	990.2	9.0	53.5
April	915.5	90.8	1,006.3	9.0	54.3
May	902.2	94.5	996.7	9.5	53.7
June	917.9	92.0	1,009.8	9.1	54.4
July	908.1	88.3	996.4	8.9	53.6
August	895.4	95.5	991.0	9.6	53.3
<b>PERSONS</b>					
<i>1996 -</i>					
June	2,078.8	186.6	2,265.5	8.2	63.1
July	2,072.1	197.8	2,269.9	8.7	63.1
August	2,085.3	209.5	2,294.8	9.1	63.7
September	2,081.6	211.7	2,293.3	9.2	63.6
October	2,084.3	216.0	2,300.3	9.4	63.7
November	2,107.1	211.8	2,318.9	9.1	64.2
December	2,095.4	210.0	2,305.4	9.1	63.8
<i>1997 -</i>					
January	2,114.8	203.9	2,318.8	8.8	64.1
February	2,099.6	208.1	2,307.7	9.0	63.7
March	2,087.8	211.2	2,299.0	9.2	63.4
April	2,102.8	211.5	2,314.3	9.1	63.8
May	2,085.8	210.2	2,296.0	9.2	63.2
June	2,099.9	217.9	2,317.8	9.4	63.7
July	2,092.3	205.6	2,297.9	8.9	63.1
August	2,070.2	213.4	2,283.6	9.3	62.7

**TABLE 3. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS, VICTORIA: TREND SERIES**

<i>Month</i>	<i>Employed (<sup>'000</sup>)</i>	<i>Unemployed (<sup>'000</sup>)</i>	<i>Labour force (<sup>'000</sup>)</i>	<i>Unemployment rate (%)</i>	<i>Participation rate (%)</i>
<b>MALES</b>					
<i>1996 -</i>					
June	1,183.8	111.4	1,295.2	8.6	73.7
July	1,185.3	112.3	1,297.5	8.7	73.7
August	1,186.3	114.3	1,300.6	8.8	73.8
September	1,187.0	116.8	1,303.8	9.0	73.9
October	1,187.6	118.9	1,306.4	9.1	74.0
November	1,188.2	120.2	1,308.4	9.2	74.0
December	1,188.7	120.3	1,309.0	9.2	74.0
<i>1997 -</i>					
January	1,188.4	120.0	1,308.5	9.2	73.9
February	1,187.7	119.9	1,307.7	9.2	73.8
March	1,186.6	120.1	1,306.8	9.2	73.7
April	1,185.3	120.3	1,305.6	9.2	73.6
May	1,184.0	120.2	1,304.2	9.2	73.4
June	1,182.5	119.9	1,302.4	9.2	73.2
July	1,180.8	119.5	1,300.3	9.2	73.0
August	1,179.6	119.0	1,298.5	9.2	72.8
<b>FEMALES</b>					
<i>1996 -</i>					
June	893.1	86.2	979.3	8.8	53.4
July	893.8	88.2	982.0	9.0	53.5
August	895.7	90.5	986.2	9.2	53.6
September	899.1	92.1	991.2	9.3	53.8
October	903.7	92.5	996.2	9.3	54.1
November	908.7	91.7	1,000.3	9.2	54.2
December	912.1	90.2	1,002.4	9.0	54.3
<i>1997 -</i>					
January	913.6	89.2	1,002.7	8.9	54.3
February	913.6	88.9	1,002.5	8.9	54.2
March	912.6	89.4	1,002.0	8.9	54.1
April	910.9	90.3	1,001.2	9.0	54.0
May	909.3	91.3	1,000.6	9.1	53.9
June	907.6	92.0	999.7	9.2	53.8
July	905.7	92.6	998.3	9.3	53.7
August	904.1	93.0	997.2	9.3	53.6
<b>PERSONS</b>					
<i>1996 -</i>					
June	2,076.9	197.6	2,274.5	8.7	63.3
July	2,079.0	200.5	2,279.5	8.8	63.4
August	2,082.0	204.8	2,286.8	9.0	63.5
September	2,086.1	208.9	2,295.0	9.1	63.7
October	2,091.3	211.4	2,302.7	9.2	63.8
November	2,096.9	211.9	2,308.7	9.2	63.9
December	2,100.8	210.5	2,311.3	9.1	63.9
<i>1997 -</i>					
January	2,102.0	209.2	2,311.2	9.1	63.9
February	2,101.3	208.9	2,310.2	9.0	63.8
March	2,099.2	209.5	2,308.8	9.1	63.7
April	2,096.2	210.7	2,306.8	9.1	63.6
May	2,093.2	211.5	2,304.8	9.2	63.5
June	2,090.1	212.0	2,302.1	9.2	63.3
July	2,086.5	212.2	2,298.6	9.2	63.2
August	2,083.7	212.0	2,295.7	9.2	63.0

**TABLE 4. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS, AGE, AND ATTENDANCE AT AN EDUCATIONAL INSTITUTION, VICTORIA, AUGUST 1997**

<i>Particulars</i>	<i>Employed</i>			<i>Unemp- loyed ('000)</i>	<i>Labour force ('000)</i>	<i>Not in labour force ('000)</i>	<i>Unemp- loyment rate (%)</i>	<i>Partici- pation rate (%)</i>
	<i>Full- time ('000)</i>	<i>Part- time ('000)</i>	<i>Total ('000)</i>					
Age (years) — 15 - 19								
15 - 17	7.9	45.6	53.5	16.7	70.2	117.4	23.8	37.4
18 - 19	30.5	40.5	70.9	17.1	88.1	40.1	19.5	68.7
Attending school	*0.0	48.3	48.3	13.7	62.0	125.3	22.1	33.1
Not attending school -								
Left before 1995	7.5	*0.8	8.3	*3.4	11.7	*2.3	*29.2	83.4
1995	14.7	15.4	30.0	7.1	37.1	12.1	19.0	75.4
Left from 1996 to survey date	16.2	21.6	37.7	9.7	47.4	15.3	20.4	75.6
<b>Total aged 15 - 19 years</b>	<b>38.4</b>	<b>86.1</b>	<b>124.4</b>	<b>33.9</b>	<b>158.3</b>	<b>157.5</b>	<b>21.4</b>	<b>50.1</b>
Age (years) -								
20 - 24	169.1	70.2	239.3	39.6	278.9	64.1	14.2	81.3
25 - 34	439.2	102.4	541.6	43.2	584.8	136.5	7.4	81.1
35 - 44	404.3	127.4	531.8	38.7	570.5	129.2	6.8	81.5
45 - 54	330.7	93.0	423.7	28.7	452.4	138.5	6.3	76.6
55 and over	139.3	60.0	199.3	18.1	217.5	755.4	8.3	22.4
<b>Total all ages</b>	<b>1,520.9</b>	<b>539.2</b>	<b>2,060.2</b>	<b>202.1</b>	<b>2,262.3</b>	<b>1,381.2</b>	<b>8.9</b>	<b>62.1</b>
Attending tertiary educational institution full-time								
Age (years) -								
15 - 19	*0.6	23.7	24.3	*4.1	28.4	22.7	*14.5	55.5
20 - 24	*0.8	33.1	33.9	7.4	41.3	35.5	18.0	53.7

**TABLE 5. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS AND RELATIONSHIP IN HOUSEHOLD, VICTORIA, AUGUST 1997**

Relationship in household	Employed			Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Civilian popu- lation 15 years and over ( <sup>'000</sup> )	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full- time ( <sup>'000</sup> )	Part- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )						
MALES									
Family member	837.7	111.3	949.0	86.0	1,035.0	364.6	1,399.6	8.3	73.9
Husband or wife	683.4	48.7	732.1	46.6	778.7	239.4	1,018.1	6.0	76.5
With children under 15	372.0	16.2	388.2	24.4	412.5	21.7	434.2	5.9	95.0
Without children under 15	311.4	32.5	344.0	22.2	366.2	217.8	584.0	6.1	62.7
With dependants	439.3	19.4	458.7	28.7	487.4	31.1	518.5	5.9	94.0
Without dependants	244.1	29.3	273.4	17.9	291.3	208.3	499.7	6.2	58.3
Lone parent	15.3	*1.4	16.7	*0.5	17.3	10.1	27.4	*3.0	63.0
With children under 15	5.8	*0.6	6.4	*0.3	6.7	*3.4	10.1	*3.9	66.2
With dependent students but without children under 15	*4.4	*0.3	4.7	*0.0	4.7	*0.5	5.2	*0.0	90.1
Without dependants	5.1	*0.5	5.6	*0.3	5.9	6.2	12.1	*4.5	48.7
Dependent student(a)	*0.8	38.5	39.2	9.4	48.6	77.5	126.1	19.3	38.6
Non-dependent child(b)	120.9	18.8	139.7	24.4	164.1	23.2	187.3	14.9	87.6
Other family person	17.2	*4.0	21.2	5.1	26.3	14.3	40.7	19.5	64.7
Non-family member	152.9	27.7	180.6	23.3	203.8	79.1	282.9	11.4	72.0
Lone person	87.0	12.4	99.4	12.1	111.5	55.7	167.3	10.8	66.7
Not living alone	65.9	15.3	81.1	11.2	92.3	23.3	115.6	12.1	79.8
<b>Total</b>	<b>990.5</b>	<b>139.0</b>	<b>1,129.6</b>	<b>109.2</b>	<b>1,238.8</b>	<b>443.7</b>	<b>1,682.5</b>	<b>8.8</b>	<b>73.6</b>
Not family coded(c)	31.9	7.3	39.1	6.1	45.2	54.8	100.1	13.5	45.2
FEMALES									
Family member	384.2	351.0	735.2	65.7	800.9	643.0	1,443.9	8.2	55.5
Husband or wife	275.0	248.7	523.7	32.3	556.0	459.3	1,015.3	5.8	54.8
With children under 15	97.0	148.1	245.2	16.2	261.4	168.1	429.5	6.2	60.9
Without children under 15	178.0	100.6	278.5	16.1	294.6	291.1	585.7	5.5	50.3
With dependants	129.3	173.7	302.9	18.6	321.6	192.0	513.6	5.8	62.6
Without dependants	145.7	75.0	220.8	13.7	234.4	267.3	501.7	5.8	46.7
Lone parent	31.2	25.6	56.8	9.1	65.9	70.6	136.6	13.8	48.3
With children under 15	17.2	21.3	38.5	5.0	43.5	38.4	81.9	11.5	53.2
With dependent students but without children under 15	5.6	*1.9	7.5	*2.0	9.4	5.5	15.0	*20.8	63.0
Without dependants	8.4	*2.4	10.8	*2.1	12.9	26.7	39.7	*16.4	32.6
Dependent student(a)	*0.4	47.8	48.1	9.5	57.7	72.5	130.2	16.6	44.3
Non-dependent child(b)	63.7	24.7	88.4	12.5	101.0	12.9	113.9	12.4	88.7
Other family person	13.9	*4.2	18.0	*2.3	20.3	27.7	48.0	*11.1	42.3
Non-family member	93.5	30.7	124.2	17.5	141.7	163.3	305.0	12.4	46.5
Lone person	51.4	14.4	65.8	9.2	75.0	141.5	216.5	12.3	34.6
Not living alone	42.1	16.3	58.4	8.3	66.7	21.8	88.5	12.4	75.4
<b>Total</b>	<b>477.7</b>	<b>381.6</b>	<b>859.4</b>	<b>83.2</b>	<b>942.6</b>	<b>806.3</b>	<b>1,748.9</b>	<b>8.8</b>	<b>53.9</b>
Not family coded(c)	20.8	11.3	32.1	*3.5	35.7	76.4	112.1	*9.9	31.8



**TABLE 5. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS AND RELATIONSHIP IN HOUSEHOLD, VICTORIA, AUGUST 1997—continued**

RESIDENTIAL IN HOUSEHOLDS, VICTORIA, AUGUST 1991—continued

Relationship in household	Employed			Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Civilian popu- lation 15 years and over ( <sup>'000</sup> )	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full- time ( <sup>'000</sup> )	Part- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )						
PERSONS									
Family member	1,221.9	462.3	1,684.2	151.7	1,835.9	1,007.6	2,843.4	8.3	64.6
Husband or wife	958.4	297.4	1,255.8	78.9	1,334.7	698.7	2,033.4	5.9	65.6
With children under 15	469.0	164.3	633.3	40.6	673.9	189.8	863.7	6.0	78.0
Without children under 15	489.4	133.1	622.5	38.3	660.8	508.9	1,169.7	5.8	56.5
With dependants	568.6	193.1	761.7	47.3	809.0	223.1	1,032.1	5.8	78.4
Without dependants	389.8	104.3	494.2	31.6	525.8	475.6	1,001.4	6.0	52.5
Lone parent	46.6	27.0	73.6	9.6	83.2	80.8	164.0	11.6	50.7
With children under 15	23.0	21.9	44.9	5.3	50.2	41.8	92.0	10.5	54.6
With dependent students but without children under 15	10.0	*2.2	12.2	*2.0	14.1	6.1	20.2	*13.9	70.0
Without dependants	13.5	*2.9	16.5	*2.4	18.9	32.9	51.8	*12.7	36.4
Dependent student(a)	*1.1	86.2	87.4	18.9	106.3	150.0	256.3	17.8	41.5
Non-dependent child(b)	184.6	43.5	228.1	36.9	265.0	36.1	301.1	13.9	88.0
Other family person	31.1	8.1	39.3	7.4	46.6	42.0	88.7	15.8	52.6
Non-family member	246.4	58.4	304.7	40.8	345.5	242.4	587.9	11.8	58.8
Lone person	138.4	26.8	165.2	21.3	186.5	197.3	383.8	11.4	48.6
Not living alone	108.0	31.5	139.5	19.5	159.0	45.1	204.1	12.2	77.9
<b>Total</b>	<b>1,468.3</b>	<b>520.6</b>	<b>1,988.9</b>	<b>192.5</b>	<b>2,181.4</b>	<b>1,249.9</b>	<b>3,431.3</b>	<b>8.8</b>	<b>63.6</b>
Not family coded(c)	52.7	18.6	71.2	9.7	80.9	131.3	212.2	11.9	38.1

(a) Excludes persons aged 20-24 attending school. Also excludes sons or daughters aged 15-24 who are classified as husbands, wives or lone parents. (b) Aged 15 and over. (c) Includes usual residents of a household where relationship was not determined, visitors to private dwellings, and persons enumerated in non-private dwellings.

**TABLE 6. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS,  
BIRTHPLACE, AND PERIOD OF ARRIVAL IN AUSTRALIA, VICTORIA, AUGUST 1997**

<i>Birthplace particulars</i>	<i>Employed</i>			<i>Unemp- loyed (<sup>'000</sup>)</i>	<i>Labour force (<sup>'000</sup>)</i>	<i>Not in labour force (<sup>'000</sup>)</i>	<i>Unemp- loyment rate (%)</i>	<i>Partici- pation rate (a) (%)</i>
	<i>Full- time (<sup>'000</sup>)</i>	<i>Part- time (<sup>'000</sup>)</i>	<i>Total (<sup>'000</sup>)</i>					
Born in Australia	1,105.4	424.1	1,529.5	137.3	1,666.8	852.8	8.2	66.2
Born outside Australia —								
Africa	13.3	*2.1	15.4	*1.1	16.5	7.9	*6.9	67.8
America	11.7	*4.5	16.2	*2.2	18.5	11.3	*12.1	62.0
Southeast Asia —	59.7	12.1	71.8	15.3	87.1	56.2	17.6	60.8
Malaysia	14.8	4.7	19.4	*0.8	20.2	9.8	*4.0	67.4
Viet Nam	24.0	*2.2	26.2	9.1	35.3	26.6	25.9	57.0
Other Southeast Asia	20.9	5.3	26.2	5.4	31.6	19.8	17.0	61.5
Northeast Asia	19.8	6.8	26.6	*2.7	29.2	23.7	*9.2	55.2
Southern Asia	23.9	7.5	31.4	*2.9	34.3	14.3	*8.4	70.5
The Middle East and North Africa	17.9	*4.5	22.4	5.3	27.6	32.6	19.1	45.9
Europe —	246.3	69.5	315.8	33.2	349.0	317.8	9.5	52.3
Germany	12.0	*4.5	16.5	*0.5	17.0	17.6	*3.1	49.1
Greece	21.0	*3.9	24.9	*3.4	28.3	33.9	*12.2	45.5
Italy	23.2	7.2	30.4	*4.2	34.6	64.1	*12.2	35.1
Malta	8.1	*3.3	11.4	*0.3	11.7	12.5	*2.3	48.3
Netherlands	10.2	*2.7	13.0	*1.4	14.4	11.2	*9.8	56.2
Poland	8.6	*2.3	10.9	*1.1	12.0	14.0	*9.2	46.2
UK and Ireland	102.8	33.6	136.4	11.2	147.6	91.7	7.6	61.7
Former Yugoslav Republics	32.1	5.7	37.8	4.8	42.6	30.4	11.2	58.4
Other Europe	28.2	6.3	34.5	6.3	40.7	42.4	15.4	49.0
Oceania —	23.0	8.0	31.0	*2.1	33.1	8.5	*6.3	79.7
New Zealand	20.4	7.3	27.6	*2.1	29.8	5.9	*7.1	83.5
Other Oceania	*2.6	*0.8	*3.4	*0.0	*3.4	*2.6	*0.0	*56.7
Main English speaking countries (b)	131.2	43.2	174.5	15.0	189.5	105.6	7.9	64.2
Other than main English speaking countries	284.3	71.9	356.2	49.8	406.0	366.6	12.3	52.6
Period of arrival —								
Before 1961	66.8	21.3	88.2	7.5	95.7	172.6	7.9	35.7
1961 - 1965	35.2	13.6	48.9	*4.6	53.4	59.5	8.5	47.3
1966 - 1970	69.1	14.5	83.7	7.4	91.1	55.7	8.1	62.1
1971 - 1975	43.6	12.5	56.1	*4.2	60.3	30.5	*7.0	66.4
1976 - 1980	37.4	10.3	47.7	5.0	52.7	22.5	9.5	70.1
1981 - 1985	51.4	13.1	64.5	6.3	70.8	29.0	8.9	71.0
1986 - 1990	69.5	17.8	87.2	13.2	100.5	42.0	13.2	70.5
1991 - 1995	31.6	10.0	41.6	9.7	51.3	38.5	18.9	57.1
1996 to survey date	10.8	*2.0	12.8	6.8	19.6	21.9	34.8	47.3
<b>Total overseas born</b>	<b>415.5</b>	<b>115.1</b>	<b>530.7</b>	<b>64.8</b>	<b>595.5</b>	<b>472.3</b>	<b>10.9</b>	<b>55.8</b>

(a) Because it is not practicable to ascertain the birthplace of persons in institutions (who are classified as 'not in the labour force'), labour force participation rates for persons classified by birthplace are calculated by using population estimates which exclude those in institutions. (b) Comprises Canada, New Zealand, South Africa, United Kingdom and Ireland, United States of America.

**TABLE 7. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS,  
VICTORIAN REGIONS, JUNE 1997**

VIC TORIAN REGIONS, JUNE 1997								
Region	Employed			Unemp- loyed ('000)	Labour force ('000)	Not in labour force ('000)	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full- time ('000)	Part- time ('000)	Total ('000)					
MALES								
Melbourne MSR-	761.2	106.8	868.0	81.1	949.1	332.3	8.5	74.1
North Western Melbourne	53.7	8.5	62.2	6.8	69.0	29.7	9.9	69.9
Outer Western Melbourne	115.2	14.1	129.3	19.2	148.5	54.5	12.9	73.1
Inner Melbourne	51.3	9.9	61.2	4.2	65.4	29.5	6.4	68.9
North Eastern Melbourne	102.2	12.8	115.1	11.0	126.1	43.6	8.7	74.3
Inner Eastern Melbourne	105.2	19.6	124.8	7.7	132.5	40.7	5.8	76.5
Southern Melbourne	81.3	10.3	91.7	8.0	99.7	34.9	8.1	74.1
Outer Eastern Melbourne	116.9	14.3	131.2	12.6	143.8	41.2	8.8	77.7
South Eastern Melbourne	94.1	7.9	102.1	7.2	109.2	31.3	6.6	77.7
Mornington Peninsula	41.2	9.4	50.6	4.4	55.0	26.8	7.9	67.2
Balance of Victoria MSR-	271.9	42.9	314.8	38.8	353.6	143.7	11.0	71.1
Barwon-Western District	70.6	9.9	80.5	12.3	92.8	40.7	13.3	69.5
Central Highlands-Wimmera	51.3	5.0	56.3	6.2	62.4	21.7	9.9	74.2
Loddon-Campaspe-Mallee	48.7	6.4	55.1	8.7	63.8	31.1	13.6	67.3
Goulburn-Ovens-Murray	56.8	9.8	66.6	4.5	71.1	22.0	6.4	76.4
All Gippsland	44.6	11.8	56.3	7.1	63.5	28.2	11.2	69.2
Total	1,033.1	149.7	1,182.8	119.8	1,302.6	476.0	9.2	73.2
FEMALES								
Melbourne MSR-	398.5	287.9	686.3	65.6	751.9	593.6	8.7	55.9
North Western Melbourne	26.9	17.1	44.0	4.5	48.5	50.3	9.4	49.1
Outer Western Melbourne	66.7	37.1	103.7	11.9	115.6	92.5	10.3	55.5
Inner Melbourne	36.7	17.5	54.2	5.4	59.6	38.5	9.0	60.8
North Eastern Melbourne	52.9	36.3	89.2	10.6	99.8	82.7	10.6	54.7
Inner Eastern Melbourne	53.5	45.6	99.1	5.7	104.7	77.0	5.4	57.6
Southern Melbourne	49.9	32.6	82.5	5.8	88.3	64.8	6.5	57.7
Outer Eastern Melbourne	52.4	50.9	103.2	7.1	110.3	80.6	6.4	57.8
South Eastern Melbourne	42.7	31.9	74.6	9.6	84.2	64.2	11.4	56.8
Mornington Peninsula	16.8	19.0	35.8	5.1	40.9	43.2	12.4	48.6
Balance of Victoria MSR-	113.7	121.2	234.8	22.1	256.9	254.7	8.6	50.2
Barwon-Western District	29.3	32.9	62.3	7.4	69.6	68.2	10.6	50.5
Central Highlands-Wimmera	19.5	20.3	39.9	*2.8	42.7	40.6	*6.6	51.2
Loddon-Campaspe-Mallee	21.2	23.5	44.7	*3.4	48.0	53.9	*7.0	47.1
Goulburn-Ovens-Murray	24.1	23.9	48.0	*2.2	50.2	48.9	*4.4	50.6
All Gippsland	19.5	20.5	40.0	6.3	46.4	43.0	13.7	51.9
Total	512.1	409.0	921.1	87.6	1,008.8	848.3	8.7	54.3
PERSONS								
Melbourne MSR-	1,159.6	394.7	1,554.3	146.6	1,700.9	926.0	8.6	64.8
North Western Melbourne	80.6	25.6	106.1	11.4	117.5	79.9	9.7	59.5
Outer Western Melbourne	181.8	51.1	233.0	31.1	264.1	147.1	11.8	64.2
Inner Melbourne	88.0	27.4	115.4	9.5	124.9	68.0	7.6	64.8
North Eastern Melbourne	155.2	49.1	204.3	21.6	225.9	126.4	9.6	64.1
Inner Eastern Melbourne	158.7	65.2	223.9	13.3	237.2	117.7	5.6	66.8
Southern Melbourne	131.2	43.0	174.2	13.8	188.0	99.6	7.3	65.4
Outer Eastern Melbourne	169.3	65.1	234.4	19.6	254.1	121.8	7.7	67.6
South Eastern Melbourne	136.8	39.9	176.7	16.8	193.5	95.5	8.7	67.0
Mornington Peninsula	58.0	28.4	86.4	9.4	95.8	70.1	9.8	57.8
Balance of Victoria MSR-	385.5	164.0	549.6	60.8	610.4	398.4	10.0	60.5
Barwon-Western District	99.9	42.8	142.7	19.6	162.4	109.0	12.1	59.8
Central Highlands-Wimmera	70.8	25.3	96.1	9.0	105.1	62.3	8.5	62.8
Loddon-Campaspe-Mallee	69.9	29.9	99.8	12.1	111.9	85.0	10.8	56.8
Goulburn-Ovens-Murray	80.9	33.6	114.6	6.7	121.3	70.9	5.5	63.1
All Gippsland	64.0	32.3	96.4	13.4	109.8	71.2	12.2	60.7
Total	1,545.2	558.7	2,103.9	207.5	2,311.4	1,324.4	9.0	63.6

**TABLE 8. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS,  
VICTORIAN REGIONS, JULY 1997**

VICTORIAN REGIONS, JULY 1997								
Region	Employed			Unemp- loyed ('000)	Labour force ('000)	Not in labour force ('000)	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full- time ('000)	Part- time ('000)	Total ('000)					
MALES								
Melbourne MSR-	765.4	105.1	870.5	74.8	945.2	338.2	7.9	73.6
North Western Melbourne	53.8	9.5	63.3	9.3	72.7	29.6	12.8	71.1
Outer Western Melbourne	114.8	11.8	126.6	14.5	141.1	57.7	10.2	71.0
Inner Melbourne	51.2	11.8	63.0	4.1	67.1	27.8	6.1	70.7
North Eastern Melbourne	100.1	10.6	110.7	11.0	121.7	42.8	9.0	74.4
Inner Eastern Melbourne	102.4	18.5	120.9	4.7	125.7	45.8	3.8	73.3
Southern Melbourne	84.0	10.9	94.9	7.0	101.9	34.5	6.8	74.7
Outer Eastern Melbourne	119.7	13.6	133.2	10.5	143.8	42.1	7.3	77.4
South Eastern Melbourne	94.4	10.5	105.0	7.0	112.0	30.6	6.3	78.6
Mornington Peninsula	44.8	7.9	52.7	6.6	59.3	27.3	11.1	68.5
Balance of Victoria MSR-	274.3	40.4	314.8	37.5	352.3	144.8	10.7	70.9
Barwon-Western District	72.1	8.4	80.5	10.2	90.7	42.3	11.2	68.2
Central Highlands-Wimmera	48.4	5.3	53.8	6.0	59.7	21.5	10.0	73.6
Loddon-Campaspe-Mallee	51.1	7.1	58.3	8.2	66.4	32.1	12.3	67.4
Goulburn-Ovens-Murray	58.9	8.0	67.0	5.5	72.5	20.5	7.6	78.0
All Gippsland	43.8	11.5	55.3	7.7	63.0	28.4	12.2	68.9
Total	1,039.7	145.5	1,185.2	112.3	1,297.5	483.0	8.7	72.9
FEMALES								
Melbourne MSR-	401.6	288.1	689.7	55.8	745.4	602.2	7.5	55.3
North Western Melbourne	27.4	16.6	43.9	5.3	49.3	46.5	10.8	51.4
Outer Western Melbourne	63.6	34.7	98.3	12.3	110.6	96.6	11.1	53.4
Inner Melbourne	37.7	16.8	54.5	*3.3	57.8	36.3	*5.7	61.4
North Eastern Melbourne	54.6	38.7	93.3	6.3	99.6	84.0	6.3	54.3
Inner Eastern Melbourne	57.6	43.8	101.5	4.6	106.1	74.6	4.3	58.7
Southern Melbourne	47.7	33.6	81.3	4.8	86.2	70.0	5.6	55.2
Outer Eastern Melbourne	52.7	48.0	100.7	9.2	109.9	80.4	8.4	57.7
South Eastern Melbourne	40.7	35.4	76.1	7.6	83.7	65.4	9.1	56.1
Mornington Peninsula	19.6	20.5	40.0	*2.3	42.4	48.2	*5.5	46.8
Balance of Victoria MSR-	121.5	106.6	228.1	26.2	254.4	257.1	10.3	49.7
Barwon-Western District	29.8	29.2	59.0	8.5	67.5	68.8	12.6	49.5
Central Highlands-Wimmera	20.8	16.1	36.9	*3.0	39.9	38.9	*7.4	50.7
Loddon-Campaspe-Mallee	23.6	20.8	44.4	*3.3	47.7	57.0	*7.0	45.6
Goulburn-Ovens-Murray	27.1	20.2	47.3	5.0	52.3	47.3	9.5	52.5
All Gippsland	20.1	20.4	40.5	6.5	47.0	45.2	13.8	51.0
Total	523.1	394.7	917.8	82.0	999.8	859.3	8.2	53.8
PERSONS								
Melbourne MSR-	1,167.0	393.2	1,560.2	130.5	1,690.7	940.4	7.7	64.3
North Western Melbourne	81.2	26.1	107.3	14.7	121.9	76.1	12.0	61.6
Outer Western Melbourne	178.5	46.4	224.9	26.7	251.6	154.3	10.6	62.0
Inner Melbourne	88.9	28.6	117.5	7.4	124.9	64.1	5.9	66.1
North Eastern Melbourne	154.7	49.3	204.0	17.2	221.3	126.8	7.8	63.6
Inner Eastern Melbourne	160.0	62.4	222.4	9.4	231.8	120.4	4.0	65.8
Southern Melbourne	131.7	44.5	176.3	11.8	188.1	104.5	6.3	64.3
Outer Eastern Melbourne	172.3	61.6	233.9	19.8	253.7	122.5	7.8	67.4
South Eastern Melbourne	135.1	46.0	181.1	14.6	195.7	96.0	7.5	67.1
Mornington Peninsula	64.4	28.3	92.8	8.9	101.7	75.5	8.8	57.4
Balance of Victoria MSR-	395.8	147.0	542.9	63.8	606.7	401.9	10.5	60.1
Barwon-Western District	101.9	37.7	139.5	18.7	158.2	111.1	11.8	58.7
Central Highlands-Wimmera	69.3	21.4	90.7	8.9	99.6	60.3	9.0	62.3
Loddon-Campaspe-Mallee	74.7	27.9	102.6	11.5	114.2	89.1	10.1	56.2
Goulburn-Ovens-Murray	86.1	28.2	114.2	10.5	124.7	67.8	8.4	64.8
All Gippsland	63.9	31.9	95.8	14.2	110.0	73.6	12.9	59.9
Total	1,562.8	540.2	2,103.0	194.3	2,297.3	1,342.3	8.5	63.1

**TABLE 9. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS,  
VICTORIAN REGIONS, AUGUST 1997**

VICTORIAN REGIONS, AUGUST 1997								
Region	Employed			Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (%)	Partici- pation rate (%)
	Full- time ( <sup>'000</sup> )	Part- time ( <sup>'000</sup> )	Total ( <sup>'000</sup> )					
MALES								
Melbourne MSR-	756.7	104.1	860.8	78.1	938.9	346.6	8.3	73.0
North Western Melbourne	54.7	9.4	64.1	8.0	72.1	29.9	11.1	70.7
Outer Western Melbourne	111.8	12.8	124.6	15.1	139.8	58.6	10.8	70.5
Inner Melbourne	47.9	11.6	59.5	5.4	64.9	28.1	8.4	69.8
North Eastern Melbourne	104.0	11.7	115.7	13.1	128.8	47.5	10.2	73.1
Inner Eastern Melbourne	102.3	17.3	119.6	5.6	125.2	42.6	4.5	74.6
Southern Melbourne	78.3	11.0	89.4	9.4	98.8	36.8	9.6	72.9
Outer Eastern Melbourne	117.5	14.9	132.3	10.7	143.0	44.2	7.5	76.4
South Eastern Melbourne	93.3	8.0	101.3	6.3	107.6	31.9	5.8	77.1
Mornington Peninsula	46.9	7.4	54.2	4.4	58.7	26.9	7.5	68.5
Balance of Victoria MSR-	265.7	42.2	307.9	37.3	345.2	151.9	10.8	69.4
Barwon-Western District	69.5	11.1	80.6	11.4	92.0	42.4	12.4	68.4
Central Highlands-Wimmera	44.5	5.3	49.8	6.9	56.6	23.4	12.1	70.7
Loddon-Campaspe-Mallee	48.6	8.3	57.0	7.1	64.0	36.6	11.0	63.6
Goulburn-Ovens-Murray	62.1	6.8	68.8	4.8	73.6	22.4	6.5	76.7
All Gippsland	41.0	10.7	51.8	7.2	58.9	27.0	12.2	68.6
<b>Total</b>	<b>1,022.4</b>	<b>146.3</b>	<b>1,168.7</b>	<b>115.4</b>	<b>1,284.0</b>	<b>498.5</b>	<b>9.0</b>	<b>72.0</b>
FEMALES								
Melbourne MSR-	384.4	285.5	669.9	61.3	731.2	618.4	8.4	54.2
North Western Melbourne	27.4	16.0	43.5	4.8	48.3	50.8	10.0	48.7
Outer Western Melbourne	55.3	36.8	92.1	11.4	103.5	102.9	11.0	50.2
Inner Melbourne	37.6	16.6	54.3	5.7	60.0	39.3	9.5	60.4
North Eastern Melbourne	54.2	38.6	92.8	8.1	100.9	84.1	8.1	54.6
Inner Eastern Melbourne	60.0	43.6	103.6	5.5	109.1	79.4	5.1	57.9
Southern Melbourne	43.9	34.5	78.5	6.9	85.4	72.8	8.1	54.0
Outer Eastern Melbourne	48.2	46.2	94.4	7.5	101.8	81.3	7.3	55.6
South Eastern Melbourne	39.7	32.6	72.3	5.4	77.8	66.0	7.0	54.1
Mornington Peninsula	18.1	20.4	38.5	5.8	44.3	41.9	13.1	51.4
Balance of Victoria MSR-	114.1	107.5	221.6	25.5	247.0	264.3	10.3	48.3
Barwon-Western District	27.5	32.0	59.5	9.6	69.1	70.7	13.9	49.4
Central Highlands-Wimmera	18.7	16.7	35.4	*2.6	38.0	38.6	*7.0	49.6
Loddon-Campaspe-Mallee	24.5	18.2	42.7	*3.2	45.9	57.3	*6.9	44.5
Goulburn-Ovens-Murray	23.4	23.6	47.0	4.3	51.3	52.3	8.3	49.5
All Gippsland	20.1	16.9	37.0	5.8	42.7	45.4	13.5	48.5
<b>Total</b>	<b>498.5</b>	<b>392.9</b>	<b>891.5</b>	<b>86.7</b>	<b>978.2</b>	<b>882.7</b>	<b>8.9</b>	<b>52.6</b>
PERSONS								
Melbourne MSR-	1,141.2	389.6	1,530.7	139.4	1,670.1	965.0	8.3	63.4
North Western Melbourne	82.2	25.4	107.6	12.9	120.5	80.7	10.7	59.9
Outer Western Melbourne	167.2	49.6	216.7	26.5	243.2	161.4	10.9	60.1
Inner Melbourne	85.6	28.2	113.8	11.1	124.9	67.5	8.9	64.9
North Eastern Melbourne	158.3	50.3	208.5	21.2	229.8	131.6	9.2	63.6
Inner Eastern Melbourne	162.3	60.9	223.2	11.1	234.3	122.0	4.8	65.8
Southern Melbourne	122.2	45.6	167.8	16.4	184.2	109.6	8.9	62.7
Outer Eastern Melbourne	165.6	61.1	226.7	18.2	244.9	125.4	7.4	66.1
South Eastern Melbourne	132.9	40.7	173.6	11.7	185.3	97.9	6.3	65.4
Mornington Peninsula	64.9	27.8	92.8	10.2	103.0	68.8	9.9	59.9
Balance of Victoria MSR-	379.8	149.6	529.4	62.7	592.2	416.2	10.6	58.7
Barwon-Western District	97.0	43.1	140.0	21.0	161.1	113.1	13.1	58.8
Central Highlands-Wimmera	63.1	22.0	85.2	9.5	94.7	62.1	10.0	60.4
Loddon-Campaspe-Mallee	73.1	26.5	99.7	10.2	109.9	93.9	9.3	53.9
Goulburn-Ovens-Murray	85.4	30.4	115.8	9.0	124.8	74.7	7.2	62.6
All Gippsland	61.1	27.6	88.7	12.9	101.7	72.4	12.7	58.4
<b>Total</b>	<b>1,520.9</b>	<b>539.2</b>	<b>2,060.2</b>	<b>202.1</b>	<b>2,262.3</b>	<b>1,381.2</b>	<b>8.9</b>	<b>62.1</b>

**TABLE 10. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS AND AGE,  
VICTORIAN REGIONS, AUGUST 1997**

Age (years)	Males				Females				Persons			
	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)
<b>NORTH WESTERN MELBOURNE</b>												
15 - 24	8.0	9.6	5.2	64.6	7.3	8.5	9.5	47.3	15.3	18.0	14.7	55.1
25 - 34	22.7	25.4	*1.1	96.0	16.0	17.8	8.7	67.3	38.7	43.3	9.7	81.7
35 - 44	18.5	19.6	*1.0	94.9	13.7	14.4	6.4	69.1	32.2	34.0	7.5	81.9
45 - 54	8.9	10.3	3.8	72.9	4.7	5.5	5.8	48.7	13.7	15.8	9.6	62.1
55 and over	6.0	7.3	18.7	28.0	*1.8	*2.0	20.5	*9.0	7.8	9.3	39.2	19.2
<b>Total</b>	<b>64.1</b>	<b>72.1</b>	<b>29.9</b>	<b>70.7</b>	<b>43.5</b>	<b>48.3</b>	<b>50.8</b>	<b>48.7</b>	<b>107.6</b>	<b>120.5</b>	<b>80.7</b>	<b>59.9</b>
<b>OUTER WESTERN MELBOURNE</b>												
15 - 24	19.6	24.1	12.0	66.8	20.2	24.3	12.4	66.3	39.7	48.4	24.3	66.5
25 - 34	34.9	40.2	*2.6	94.0	24.4	26.7	15.7	63.0	59.2	66.9	18.3	78.5
35 - 44	34.2	36.6	3.4	91.5	23.7	26.3	13.9	65.4	58.0	62.9	17.3	78.4
45 - 54	24.7	25.8	7.1	78.5	19.7	21.8	11.5	65.3	44.4	47.6	18.6	71.9
55 and over	11.2	13.1	33.6	28.0	4.2	4.4	49.3	8.2	15.4	17.5	82.9	17.4
<b>Total</b>	<b>124.6</b>	<b>139.8</b>	<b>58.6</b>	<b>70.5</b>	<b>92.1</b>	<b>103.5</b>	<b>102.9</b>	<b>50.2</b>	<b>216.7</b>	<b>243.2</b>	<b>161.4</b>	<b>60.1</b>
<b>INNER MELBOURNE</b>												
15 - 24	11.1	12.7	6.5	66.2	10.8	12.9	6.4	66.7	21.9	25.6	12.9	66.5
25 - 34	24.2	26.2	*2.3	92.0	23.3	24.3	5.4	81.8	47.5	50.5	7.7	86.8
35 - 44	8.9	9.9	*3.4	74.7	8.5	10.1	4.5	69.3	17.4	20.0	7.8	71.8
45 - 54	9.8	10.1	*3.1	76.5	7.3	8.1	3.7	68.8	17.2	18.2	6.8	72.9
55 and over	5.5	6.0	12.9	31.8	4.3	4.6	19.3	19.2	9.8	10.6	32.2	24.8
<b>Total</b>	<b>59.5</b>	<b>64.9</b>	<b>28.1</b>	<b>69.8</b>	<b>54.3</b>	<b>60.0</b>	<b>39.3</b>	<b>60.4</b>	<b>113.8</b>	<b>124.9</b>	<b>67.5</b>	<b>64.9</b>
<b>NORTH EASTERN MELBOURNE</b>												
15 - 24	18.0	22.9	9.5	70.6	18.2	22.2	7.8	74.0	36.3	45.1	17.3	72.3
25 - 34	31.3	33.5	*3.5	90.4	23.3	25.4	12.2	67.4	54.6	58.8	15.8	78.8
35 - 44	32.6	35.2	*2.1	94.3	26.8	27.1	10.8	71.4	59.4	62.3	12.9	82.8
45 - 54	23.6	25.8	5.7	81.9	19.4	21.0	8.7	70.7	43.1	46.8	14.4	76.5
55 and over	10.2	11.5	26.6	30.1	5.0	5.3	44.5	10.6	15.2	16.7	71.2	19.1
<b>Total</b>	<b>115.7</b>	<b>128.8</b>	<b>47.5</b>	<b>73.1</b>	<b>92.8</b>	<b>100.9</b>	<b>84.1</b>	<b>54.6</b>	<b>208.5</b>	<b>229.8</b>	<b>131.6</b>	<b>63.6</b>
<b>INNER EASTERN MELBOURNE</b>												
15 - 24	21.3	24.4	13.6	64.1	24.1	26.8	13.1	67.2	45.4	51.2	26.7	65.7
25 - 34	25.5	26.6	3.3	88.9	19.6	21.2	7.6	73.7	45.1	47.9	10.9	81.4
35 - 44	24.8	25.6	*0.5	98.0	24.5	25.0	6.7	78.8	49.3	50.6	7.2	87.5
45 - 54	28.2	28.7	*0.8	97.2	26.6	26.8	8.2	76.7	54.8	55.6	9.0	86.1
55 and over	19.8	19.8	24.4	44.9	8.8	9.3	43.8	17.5	28.6	29.1	68.2	29.9
<b>Total</b>	<b>119.6</b>	<b>125.2</b>	<b>42.6</b>	<b>74.6</b>	<b>103.6</b>	<b>109.1</b>	<b>79.4</b>	<b>57.9</b>	<b>223.2</b>	<b>234.3</b>	<b>122.0</b>	<b>65.8</b>
<b>SOUTHERN MELBOURNE</b>												
15 - 24	11.1	14.5	6.8	68.1	15.9	18.9	7.6	71.5	27.1	33.5	14.3	70.0
25 - 34	25.0	26.1	*1.7	94.0	23.3	25.4	5.8	81.5	48.3	51.5	7.4	87.4
35 - 44	21.9	23.7	*1.3	94.8	16.3	16.5	5.7	74.4	38.1	40.2	7.0	85.2
45 - 54	20.6	22.2	*1.6	93.4	16.1	17.2	7.6	69.3	36.7	39.3	9.2	81.1
55 and over	10.8	12.3	25.4	32.6	6.9	7.4	46.2	13.8	17.6	19.7	71.7	21.6
<b>Total</b>	<b>89.4</b>	<b>98.8</b>	<b>36.8</b>	<b>72.9</b>	<b>78.5</b>	<b>85.4</b>	<b>72.8</b>	<b>54.0</b>	<b>167.8</b>	<b>184.2</b>	<b>109.6</b>	<b>62.7</b>

**TABLE 10. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS AND AGE,  
VICTORIAN REGIONS, AUGUST 1997 - continued**

Age (years)	Males				Females				Persons			
	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)
OUTER EASTERN MELBOURNE												
15 - 24	23.1	27.0	11.6	70.0	17.1	19.1	8.4	69.3	40.2	46.2	20.1	69.7
25 - 34	32.7	34.7	*1.5	95.8	23.5	25.0	11.7	68.1	56.1	59.7	13.3	81.8
35 - 44	37.3	39.2	*2.1	94.9	25.5	28.4	10.6	72.8	62.9	67.6	12.7	84.2
45 - 54	26.1	27.2	*3.3	89.3	19.7	20.7	10.8	65.8	45.8	47.9	14.0	77.3
55 and over	13.1	14.9	25.7	36.8	8.6	8.6	39.7	17.8	21.7	23.6	65.4	26.5
<b>Total</b>	<b>132.3</b>	<b>143.0</b>	<b>44.2</b>	<b>76.4</b>	<b>94.4</b>	<b>101.8</b>	<b>81.3</b>	<b>55.6</b>	<b>226.7</b>	<b>244.9</b>	<b>125.4</b>	<b>66.1</b>
SOUTH EASTERN MELBOURNE												
15 - 24	18.0	19.5	8.1	70.6	13.3	15.4	10.0	60.6	31.4	35.0	18.1	65.8
25 - 34	27.4	28.5	*1.4	95.3	20.9	21.7	10.7	66.9	48.3	50.2	12.1	80.5
35 - 44	27.4	28.7	*2.3	92.4	21.4	22.9	10.1	69.5	48.8	51.6	12.4	80.6
45 - 54	17.5	18.3	*3.0	86.0	13.1	13.9	6.1	69.7	30.6	32.2	9.1	78.1
55 and over	10.9	12.5	17.1	42.2	3.6	3.8	29.1	11.6	14.5	16.3	46.2	26.1
<b>Total</b>	<b>101.3</b>	<b>107.6</b>	<b>31.9</b>	<b>77.1</b>	<b>72.3</b>	<b>77.8</b>	<b>66.0</b>	<b>54.1</b>	<b>173.6</b>	<b>185.3</b>	<b>97.9</b>	<b>65.4</b>
MORNINGTON PENINSULA												
15 - 24	8.5	9.8	4.8	67.2	7.0	7.9	*3.3	70.4	15.5	17.7	8.1	68.6
25 - 34	13.3	13.6	*0.6	96.1	7.9	8.9	5.2	63.0	21.2	22.5	5.8	79.5
35 - 44	13.9	14.7	*0.8	94.9	10.3	12.4	4.6	72.7	24.2	27.1	5.4	83.3
45 - 54	12.5	13.5	*1.1	92.5	11.0	12.1	4.7	71.8	23.5	25.6	5.8	81.4
55 and over	6.0	7.0	19.7	26.3	*2.3	*3.0	23.9	*11.3	8.3	10.1	43.6	18.8
<b>Total</b>	<b>54.2</b>	<b>58.7</b>	<b>26.9</b>	<b>68.5</b>	<b>38.5</b>	<b>44.3</b>	<b>41.9</b>	<b>51.4</b>	<b>92.8</b>	<b>103.0</b>	<b>68.8</b>	<b>59.9</b>

**TABLE 10. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS AND AGE,  
VICTORIAN REGIONS, AUGUST 1997 - continued**

Age (years)	Males				Females				Persons			
	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)
<b>BARWON-WESTERN DISTRICT</b>												
15 - 24	15.1	20.2	9.1	69.1	13.7	20.2	8.4	70.6	28.7	40.5	17.5	69.9
25 - 34	17.9	20.6	*2.2	90.2	13.5	14.4	4.3	76.9	31.3	35.0	6.6	84.2
35 - 44	23.7	25.3	*1.2	95.4	17.5	18.4	9.8	65.3	41.2	43.7	11.0	79.9
45 - 54	16.9	17.8	*1.4	92.5	11.0	11.9	5.9	66.6	27.9	29.6	7.4	80.1
55 and over	7.0	8.1	28.4	22.1	*3.8	4.1	42.2	8.9	10.8	12.2	70.6	14.7
<b>Total</b>	<b>80.6</b>	<b>92.0</b>	<b>42.4</b>	<b>68.4</b>	<b>59.5</b>	<b>69.1</b>	<b>70.7</b>	<b>49.4</b>	<b>140.0</b>	<b>161.1</b>	<b>113.1</b>	<b>58.8</b>
<b>CENTRAL HIGHLANDS-WIMMERA</b>												
15 - 24	7.9	9.5	*3.6	72.4	6.0	6.9	5.3	56.5	13.9	16.4	9.0	64.7
25 - 34	10.4	12.4	*1.4	89.9	9.0	9.3	*4.6	67.0	19.4	21.6	6.0	78.4
35 - 44	12.7	14.2	*1.8	88.5	8.6	9.2	*4.4	67.4	21.2	23.4	6.3	78.8
45 - 54	11.1	12.9	*2.3	84.9	8.0	8.6	4.7	64.5	19.1	21.5	7.0	75.3
55 and over	7.7	7.7	14.3	35.1	*3.8	*4.1	19.5	*17.2	11.5	11.8	33.8	25.8
<b>Total</b>	<b>49.8</b>	<b>56.6</b>	<b>23.4</b>	<b>70.7</b>	<b>35.4</b>	<b>38.0</b>	<b>38.6</b>	<b>49.6</b>	<b>85.2</b>	<b>94.7</b>	<b>62.1</b>	<b>60.4</b>
<b>LODDON-CAMPASPE-MALLEE</b>												
15 - 24	10.7	12.1	9.6	55.7	8.8	9.8	6.4	60.4	19.5	21.9	16.0	57.7
25 - 34	13.0	15.0	*0.8	94.8	8.6	9.2	7.3	55.7	21.7	24.2	8.1	74.8
35 - 44	11.7	13.2	*2.2	86.0	12.4	13.7	6.3	68.6	24.2	27.0	8.4	76.2
45 - 54	12.3	13.8	*3.4	80.0	10.4	10.7	8.1	57.0	22.7	24.4	11.5	68.0
55 and over	9.2	10.0	20.6	32.5	*2.5	*2.5	29.2	*7.8	11.6	12.4	49.8	20.0
<b>Total</b>	<b>57.0</b>	<b>64.0</b>	<b>36.6</b>	<b>63.6</b>	<b>42.7</b>	<b>45.9</b>	<b>57.3</b>	<b>44.5</b>	<b>99.7</b>	<b>109.9</b>	<b>93.9</b>	<b>53.9</b>
<b>GOULBURN-OVENS-MURRAY</b>												
15 - 24	7.4	10.0	*2.5	80.3	6.4	7.9	9.1	46.6	13.8	17.9	11.5	60.9
25 - 34	17.4	17.9	*1.4	92.7	13.2	14.1	7.8	64.3	30.6	32.0	9.2	77.6
35 - 44	17.9	18.2	*1.8	90.8	11.3	12.9	5.1	71.8	29.2	31.1	6.9	81.8
45 - 54	14.3	15.5	*1.7	90.0	10.4	10.7	5.8	64.7	24.7	26.2	7.5	77.6
55 and over	11.8	11.9	15.0	44.3	5.7	5.8	24.6	19.0	17.5	17.7	39.5	30.9
<b>Total</b>	<b>68.8</b>	<b>73.6</b>	<b>22.4</b>	<b>76.7</b>	<b>47.0</b>	<b>51.3</b>	<b>52.3</b>	<b>49.5</b>	<b>115.8</b>	<b>124.8</b>	<b>74.7</b>	<b>62.6</b>
<b>ALL GIPPSLAND</b>												
15 - 24	8.8	11.1	5.4	67.3	6.4	8.8	5.6	61.3	15.1	19.9	10.9	64.5
25 - 34	10.7	10.9	*1.4	88.8	8.8	9.7	*4.2	69.7	19.4	20.6	5.6	78.7
35 - 44	13.8	15.7	*2.2	87.9	11.8	13.4	*4.1	76.5	25.7	29.1	6.3	82.2
45 - 54	12.1	13.2	*2.3	85.2	7.5	8.4	6.2	57.4	19.6	21.6	8.5	71.7
55 and over	6.4	8.0	15.8	33.7	*2.5	*2.5	25.3	*9.0	8.9	10.5	41.1	20.4
<b>Total</b>	<b>51.8</b>	<b>58.9</b>	<b>27.0</b>	<b>68.6</b>	<b>37.0</b>	<b>42.7</b>	<b>45.4</b>	<b>48.5</b>	<b>88.7</b>	<b>101.7</b>	<b>72.4</b>	<b>58.4</b>



**TABLE 10. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY  
LABOUR FORCE STATUS AND AGE,  
VICTORIAN REGIONS, AUGUST 1997 - continued**

Age (years)	Males				Females				Persons			
	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)	Employed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Partici- pation rate (%)
<b>TOTAL MELBOURNE MSR</b>												
15 - 19 -	45.1	55.6	56.5	49.6	46.4	55.7	51.0	52.2	91.6	111.3	107.5	50.9
15 - 17	18.1	23.3	42.1	35.7	20.2	25.5	37.0	40.8	38.4	48.8	79.1	38.2
18 - 19	27.0	32.3	14.4	69.2	26.2	30.2	14.1	68.2	53.2	62.5	28.4	68.7
20 - 24	93.6	108.9	21.7	83.4	87.5	100.4	27.5	78.5	181.1	209.3	49.2	81.0
25 - 34	237.0	254.8	18.0	93.4	182.1	196.5	83.0	70.3	419.1	451.2	101.0	81.7
35 - 44	219.6	233.2	17.0	93.2	170.7	183.1	73.3	71.4	390.3	416.2	90.3	82.2
45 - 54	171.9	181.9	29.4	86.1	137.7	147.2	67.1	68.7	309.7	329.1	96.5	77.3
55 - 59	52.6	59.8	17.5	77.4	27.9	30.4	45.3	40.2	80.5	90.1	62.8	59.0
60 - 64	26.8	29.8	32.9	47.6	10.4	11.0	52.4	17.3	37.3	40.8	85.2	32.4
65 and over	14.1	14.9	153.8	8.8	7.1	7.1	218.8	3.1	21.2	22.0	372.6	5.6
<b>Total</b>	<b>860.8</b>	<b>938.9</b>	<b>346.6</b>	<b>73.0</b>	<b>669.9</b>	<b>731.2</b>	<b>618.4</b>	<b>54.2</b>	<b>1,530.7</b>	<b>1,670.1</b>	<b>965.0</b>	<b>63.4</b>
<b>TOTAL BALANCE OF VICTORIA MSR</b>												
15 - 19 -	18.3	25.2	24.6	50.6	14.5	21.8	25.4	46.2	32.9	47.0	50.0	48.4
15 - 17	8.6	12.4	18.2	40.5	6.5	8.9	20.1	30.8	15.1	21.4	38.4	35.8
18 - 19	9.7	12.7	6.4	66.6	8.0	12.9	5.3	70.8	17.8	25.6	11.7	68.7
20 - 24	31.5	37.8	5.5	87.2	26.7	31.8	9.3	77.3	58.2	69.6	14.9	82.4
25 - 34	69.4	76.9	7.2	91.4	53.1	56.6	28.2	66.7	122.5	133.5	35.5	79.0
35 - 44	79.8	86.6	9.2	90.4	61.6	67.6	29.7	69.5	141.5	154.2	38.9	79.8
45 - 54	66.8	73.1	11.2	86.7	47.3	50.2	30.8	62.0	114.0	123.3	42.0	74.6
55 - 59	20.7	23.0	9.1	71.6	10.6	10.9	20.4	34.9	31.3	33.9	29.5	53.5
60 - 64	11.4	12.2	16.2	43.1	*4.1	*4.1	24.7	*14.3	15.6	16.4	40.9	28.6
65 and over	10.0	10.4	68.8	13.2	*3.6	*3.8	95.7	*3.9	13.5	14.3	164.5	8.0
<b>Total</b>	<b>307.9</b>	<b>345.2</b>	<b>151.9</b>	<b>69.4</b>	<b>221.6</b>	<b>247.0</b>	<b>264.3</b>	<b>48.3</b>	<b>529.4</b>	<b>592.2</b>	<b>416.2</b>	<b>58.7</b>
<b>TOTAL VICTORIA</b>												
15 - 19 -	63.5	80.8	81.1	49.9	61.0	77.5	76.4	50.3	124.4	158.3	157.5	50.1
15 - 17	26.7	35.8	60.3	37.2	26.8	34.5	57.1	37.6	53.5	70.2	117.4	37.4
18 - 19	36.7	45.1	20.7	68.5	34.2	43.0	19.4	69.0	70.9	88.1	40.1	68.7
20 - 24	125.1	146.7	27.2	84.3	114.2	132.2	36.8	78.2	239.3	278.9	64.1	81.3
25 - 34	306.4	331.7	25.2	92.9	235.2	253.1	111.3	69.5	541.6	584.8	136.5	81.1
35 - 44	299.5	319.8	26.2	92.4	232.3	250.7	103.0	70.9	531.8	570.5	129.2	81.5
45 - 54	238.7	255.0	40.6	86.3	185.0	197.4	97.9	66.8	423.7	452.4	138.5	76.6
55 - 59	73.3	82.7	26.6	75.7	38.5	41.3	65.7	38.6	111.8	124.0	92.2	57.4
60 - 64	38.3	42.1	49.0	46.2	14.6	15.1	77.1	16.4	52.8	57.2	126.1	31.2
65 and over	24.1	25.3	222.6	10.2	10.6	10.9	314.5	3.4	34.7	36.3	537.1	6.3
<b>Total</b>	<b>1,168.7</b>	<b>1,284.0</b>	<b>498.5</b>	<b>72.0</b>	<b>891.5</b>	<b>978.2</b>	<b>882.7</b>	<b>52.6</b>	<b>2,060.2</b>	<b>2,262.3</b>	<b>1,381.2</b>	<b>62.1</b>

**TABLE 11. EMPLOYED PERSONS BY INDUSTRY AND OCCUPATION(a) BY AGE,  
VICTORIA, AUGUST 1997  
(<sup>'000</sup>)**

Classification	Age group (years)							Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 59	60 and over	
INDUSTRY								
Agriculture, forestry and fishing	*2.2	*3.7	11.6	24.1	22.3	7.0	16.0	86.8
Mining	*0.3	*0.0	*0.6	*0.3	*1.1	*0.3	*0.0	*2.5
Manufacturing	8.4	34.0	95.6	103.9	67.1	21.0	13.5	343.5
Electricity, gas and water supply	*0.0	*0.5	5.2	*4.2	*2.7	*2.4	*0.2	15.2
Construction	5.2	12.9	39.3	33.3	22.2	8.5	*4.5	125.9
Wholesale trade	*3.0	16.0	38.3	29.6	23.8	5.4	7.0	123.1
Retail trade	67.6	54.7	60.0	51.9	46.2	11.5	8.7	300.5
Accommodation, cafes and restaurants	10.5	20.4	20.9	18.9	12.2	*2.1	*1.0	86.0
Transport and storage	*1.9	6.6	25.4	23.7	24.5	6.2	*4.6	92.9
Communication services	*0.3	4.7	11.9	12.2	10.4	*1.6	*0.3	41.3
Finance and insurance	*2.5	13.6	32.6	20.1	14.5	*3.7	*3.6	90.6
Property and business services	8.1	27.2	62.2	64.5	51.4	14.9	10.3	238.5
Government administration and defence	*0.5	4.7	21.2	18.2	18.4	*3.4	*2.1	68.5
Education	*2.7	7.4	26.3	45.5	44.2	8.9	*4.0	139.0
Health and community services	*3.0	17.6	46.7	53.9	44.5	11.4	5.2	182.2
Cultural and recreational services	5.6	8.3	17.3	7.3	4.6	*0.7	*1.3	45.2
Personal and other services	*2.8	7.1	26.6	20.2	13.5	*2.8	5.4	78.4
Total	124.4	239.3	541.6	531.8	423.7	111.8	87.6	2,060.2
OCCUPATION								
Managers and administrators	*0.0	*3.0	25.3	45.1	47.3	9.4	20.1	150.2
Professionals	*0.8	29.0	112.7	123.7	98.4	23.7	15.0	403.3
Associate professionals	5.3	18.0	59.9	62.5	47.6	15.6	9.3	218.1
Tradespersons and related workers	15.6	41.3	85.3	68.4	50.8	17.9	12.0	291.3
Advanced clerical and service workers	*0.6	11.5	22.2	27.2	21.2	*3.3	*4.4	90.4
Intermediate clerical, sales and service workers	18.4	52.5	101.7	72.5	52.8	11.3	7.9	317.0
Intermediate production and transport workers	8.3	15.0	55.0	57.6	43.2	14.6	6.4	200.1
Elementary clerical, sales and service workers	54.3	39.9	40.0	28.9	28.2	6.7	4.7	202.7
Labourers and related workers	21.2	29.2	39.5	45.8	34.2	9.5	7.7	187.1
Total	124.4	239.3	541.6	531.8	423.7	111.8	87.6	2,060.2

(a) From August 1996, occupation data are classified to the Australian Standard Classification of Occupations, Second Edition. See the Explanatory notes for details.

**TABLE 12. EMPLOYED PERSONS BY INDUSTRY AND OCCUPATION(a) BY MARITAL STATUS,  
VICTORIA, AUGUST 1997  
(<sup>'000</sup>)**

Classification	Males			Females			Persons		
	Married	Other	Total	Married	Other	Total	Married	Other	Total
<b>INDUSTRY</b>									
Agriculture, forestry and fishing	42.5	16.2	58.7	24.6	*3.5	28.0	67.1	19.7	86.8
Mining	*1.4	*1.2	*2.5	*0.0	*0.0	*0.0	*1.4	*1.2	*2.5
Manufacturing	166.3	83.4	249.8	62.8	30.9	93.7	229.2	114.3	343.5
Electricity, gas and water supply	9.3	*4.1	13.4	*0.8	*1.0	*1.8	10.1	5.1	15.2
Construction	75.3	35.6	110.9	13.6	*1.5	15.0	88.9	37.1	125.9
Wholesale trade	55.9	29.0	84.9	22.9	15.2	38.1	78.9	44.2	123.1
Retail trade	72.0	78.6	150.6	69.8	80.2	150.0	141.8	158.8	300.5
Accommodation, cafes and restaurants	16.5	20.6	37.0	22.3	26.7	49.0	38.8	47.2	86.0
Transport and storage	52.3	22.5	74.8	11.1	7.0	18.1	63.4	29.5	92.9
Communication services	18.7	5.8	24.5	8.9	7.9	16.8	27.6	13.8	41.3
Finance and insurance	26.4	16.3	42.8	30.7	17.1	47.8	57.1	33.5	90.6
Property and business services	92.2	38.6	130.8	61.1	46.5	107.6	153.4	85.1	238.5
Government administration and defence	19.3	9.9	29.2	24.3	15.0	39.3	43.6	24.9	68.5
Education	30.7	17.7	48.4	67.2	23.5	90.7	97.9	41.2	139.0
Health and community services	26.5	11.0	37.5	97.1	47.6	144.7	123.6	58.6	182.2
Cultural and recreational services	9.4	16.4	25.8	5.9	13.5	19.4	15.4	29.9	45.2
Personal and other services	34.9	12.1	47.0	18.2	13.2	31.4	53.1	25.3	78.4
<b>Total</b>	<b>749.6</b>	<b>419.1</b>	<b>1,168.7</b>	<b>541.3</b>	<b>350.2</b>	<b>891.5</b>	<b>1,290.9</b>	<b>769.3</b>	<b>2,060.2</b>
<b>OCCUPATION</b>									
Managers and administrators	92.5	18.1	110.6	32.1	7.5	39.6	124.5	25.6	150.2
Professionals	148.9	57.5	206.4	126.3	70.6	196.9	275.2	128.1	403.3
Associate professionals	95.4	37.1	132.5	52.4	33.3	85.6	147.8	70.3	218.1
Tradespersons and related workers	156.9	104.1	261.0	15.7	14.6	30.3	172.6	118.7	291.3
Advanced clerical and service workers	7.6	*4.2	11.8	59.8	18.8	78.5	67.4	23.0	90.4
Intermediate clerical, sales and service workers	49.0	42.1	91.1	130.8	95.1	225.9	179.8	137.2	317.0
Intermediate production and transport workers	110.2	52.8	163.0	28.0	9.0	37.1	138.3	61.8	200.1
Elementary clerical, sales and service workers	25.3	45.5	70.8	54.6	77.3	131.9	79.9	122.8	202.7
Labourers and related workers	63.8	57.7	121.4	41.7	24.0	65.7	105.4	81.7	187.1
<b>Total</b>	<b>749.6</b>	<b>419.1</b>	<b>1,168.7</b>	<b>541.3</b>	<b>350.2</b>	<b>891.5</b>	<b>1,290.9</b>	<b>769.3</b>	<b>2,060.2</b>

(a) From August 1996, occupation data are classified to the Australian Standard Classification of Occupations, Second Edition. See the Explanatory notes for details.

**TABLE 13. EMPLOYED PERSONS: AVERAGE WEEKLY HOURS WORKED(a) BY INDUSTRY AND OCCUPATION(b), VICTORIA, AUGUST 1997**  
(hours)

Classification	Males			Females			Persons		
	Married	Other	Total	Married	Other	Total	Married	Other	Total
<b>INDUSTRY</b>									
Agriculture, forestry and fishing	51.9	39.3	48.4	28.8	33.1	29.3	43.4	38.2	42.2
Mining	*47.4	*28.4	38.7	*0.0	*0.0	*0.0	*47.4	*28.4	38.7
Manufacturing	42.6	39.1	41.4	32.5	33.5	32.8	39.8	37.6	39.1
Electricity, gas and water supply	36.4	41.1	37.8	*50.8	*39.1	*44.0	37.5	40.7	38.5
Construction	43.5	40.3	42.4	16.9	*30.5	18.2	39.4	39.9	39.5
Wholesale trade	43.1	38.1	41.4	30.5	32.2	31.2	39.4	36.1	38.2
Retail trade	47.5	26.7	36.6	30.9	21.3	25.8	39.3	24.0	31.2
Accommodation, cafes and restaurants	48.2	32.8	39.7	32.1	25.8	28.7	39.0	28.8	33.4
Transport and storage	43.6	42.8	43.3	25.9	32.1	28.3	40.5	40.3	40.4
Communication services	40.3	37.1	39.6	29.0	32.8	30.8	36.7	34.6	36.0
Finance and insurance	44.9	38.0	42.3	31.8	37.4	33.8	37.9	37.7	37.8
Property and business services	44.7	38.2	42.7	29.5	32.8	30.9	38.6	35.2	37.4
Government administration and defence	37.9	37.7	37.9	30.0	32.4	30.9	33.5	34.5	33.9
Education	39.8	33.8	37.6	32.8	31.8	32.6	35.0	32.7	34.3
Health and community services	40.0	32.1	37.7	26.3	31.2	27.9	29.3	31.4	29.9
Cultural and recreational services	43.3	29.9	34.8	26.2	28.4	27.7	36.7	29.2	31.8
Personal and other services	42.5	38.7	41.5	31.8	26.8	29.7	38.8	32.5	36.8
<b>Total</b>	<b>43.8</b>	<b>35.7</b>	<b>40.9</b>	<b>29.8</b>	<b>29.2</b>	<b>29.6</b>	<b>37.9</b>	<b>32.8</b>	<b>36.0</b>
<b>OCCUPATION</b>									
Managers and administrators	52.2	48.2	51.6	35.7	44.4	37.4	48.0	47.0	47.8
Professionals	44.0	40.3	43.0	33.0	36.0	34.1	39.0	37.9	38.6
Associate professionals	48.9	40.8	46.6	38.7	35.8	37.6	45.3	38.5	43.1
Tradespersons and related workers	42.3	39.0	40.9	30.8	32.4	31.6	41.2	38.1	40.0
Advanced clerical and service workers	33.4	36.1	34.3	24.5	35.8	27.2	25.5	35.9	28.2
Intermediate clerical, sales and service workers	39.3	34.3	37.0	27.4	30.0	28.5	30.7	31.3	31.0
Intermediate production and transport workers	42.6	36.7	40.7	31.4	34.3	32.1	40.3	36.4	39.1
Elementary clerical, sales and service workers	36.5	24.0	28.4	25.3	17.1	20.5	28.9	19.7	23.3
Labourers and related workers	36.7	27.6	32.4	24.1	22.0	23.3	31.7	25.9	29.2
<b>Total</b>	<b>43.8</b>	<b>35.7</b>	<b>40.9</b>	<b>29.8</b>	<b>29.2</b>	<b>29.6</b>	<b>37.9</b>	<b>32.8</b>	<b>36.0</b>

(a) Persons with jobs who did not work during the survey week have been included in the calculation of average weekly hours worked. The relative standard errors of these estimates are obtained by first finding the relative standard error of the estimate of the total number of persons in the estimate and then multiplying by a factor of 0.7. For further information refer to the technical notes in Labour Force, Australia (6203.0). (b) From August 1996, occupation data are classified to the Australian Standard Classification of Occupations, Second Edition. See the Explanatory notes for details.

**TABLE 14. EMPLOYED PERSONS: STATUS IN EMPLOYMENT AND AVERAGE WEEKLY HOURS WORKED, VICTORIA, AUGUST 1997**

Status in employment	Males			Females			Persons		
	Married	Other	Total	Married	Other	Total	Married	Other	Total
	'000								
Employers	39.2	6.3	45.5	16.5	*2.1	18.6	55.7	8.4	64.1
Own account workers	103.5	37.0	140.6	53.5	17.9	71.4	157.0	54.9	211.9
Employees	602.8	372.9	975.6	460.7	326.2	786.9	1,063.4	699.1	1,762.5
Contributing family workers	*4.1	*2.9	7.0	10.7	*4.0	14.7	14.7	6.9	21.7
<b>Total</b>	<b>749.6</b>	<b>419.1</b>	<b>1,168.7</b>	<b>541.3</b>	<b>350.2</b>	<b>891.5</b>	<b>1,290.9</b>	<b>769.3</b>	<b>2,060.2</b>
<b>AVERAGE WEEKLY HOURS WORKED (a)</b>									
Employers	54.4	48.8	53.6	40.3	*54.4	41.9	50.2	50.3	50.2
Own account workers	44.4	37.9	42.7	28.5	34.5	30.0	39.0	36.8	38.4
Employees	43.2	35.4	40.2	29.9	28.9	29.5	37.4	32.4	35.4
Contributing family workers	17.7	21.4	19.2	18.4	13.0	16.9	18.2	16.5	17.6
<b>Total</b>	<b>43.8</b>	<b>35.7</b>	<b>40.9</b>	<b>29.8</b>	<b>29.2</b>	<b>29.6</b>	<b>37.9</b>	<b>32.8</b>	<b>36.0</b>

(a) The relative standard errors of these estimates are obtained by first finding the relative standard error of the estimate of the total number of persons in the estimate and then multiplying by a factor of 0.7. For further information refer to the technical notes in Labour Force, Australia (6203.0).

**TABLE 15. UNEMPLOYED PERSONS: INDUSTRY AND OCCUPATION(a) OF LAST JOB(b), VICTORIA, AUGUST 1997**

Particulars	Number ('000)			Unemployment rate (%)		
	Males	Females	Persons	Males	Females	Persons
<b>Industry</b>						
Agriculture, forestry and fishing	*3.2	*1.8	5.0	*5.1	*6.0	5.4
Mining	*0.0	*0.0	*0.0	*0.0	*0.0	*0.0
Manufacturing	17.1	5.9	23.0	6.4	5.9	6.3
Electricity, gas and water supply	*0.8	*0.0	*0.8	*5.8	*0.0	*5.2
Construction	6.3	*0.0	6.3	5.4	*0.0	4.7
Wholesale trade	5.0	*1.8	6.8	5.5	*4.6	5.2
Retail trade	8.8	*4.1	12.9	5.5	*2.7	4.1
Accommodation, cafes and restaurants	*4.1	*3.9	8.1	*10.0	*7.5	8.6
Transport and storage	*3.5	*1.3	4.8	*4.5	*6.8	5.0
Communication services	*1.1	*1.1	*2.2	*4.2	*6.4	*5.1
Finance and insurance	*0.0	*0.3	*0.3	*0.0	*0.5	*0.3
Property and business services	*2.9	*3.7	6.6	*2.2	*3.3	2.7
Government administration and defence	4.9	*2.1	7.0	14.3	*5.0	9.2
Education	*1.9	*0.9	*2.8	*3.8	*1.0	*2.0
Health and community services	*0.5	*3.1	*3.6	*1.4	*2.1	*2.0
Cultural and recreational services	*2.1	*1.9	*4.0	*7.7	*8.7	*8.1
Personal and other services	*1.1	*0.5	*1.6	*2.3	*1.6	*2.0
<b>Total (b)</b>	<b>63.4</b>	<b>32.6</b>	<b>95.9</b>	<b>5.1</b>	<b>3.5</b>	<b>4.4</b>
<b>Occupation</b>						
Managers and administrators	*2.2	*0.3	*2.5	*1.9	*0.8	*1.6
Professionals	*4.2	*3.8	8.0	*2.0	*1.9	1.9
Associate professionals	*3.4	*3.5	6.9	*2.5	*3.9	3.1
Tradespersons and related workers	14.6	*1.3	15.9	5.3	*4.2	5.2
Advanced clerical and service workers	*0.0	*1.1	*1.1	*0.0	*1.4	*1.2
Intermediate clerical, sales and service workers	7.3	9.2	16.5	7.4	3.9	4.9
Intermediate production and transport workers	11.2	*3.8	15.1	6.5	*9.3	7.0
Elementary clerical, sales and service workers	4.9	4.9	9.8	6.5	3.6	4.6
Labourers and related workers	15.6	*4.6	20.2	11.4	*6.5	9.7
<b>Total (b)</b>	<b>63.4</b>	<b>32.6</b>	<b>95.9</b>	<b>5.1</b>	<b>3.5</b>	<b>4.4</b>
Not employed (b) in the past two years	49.5	50.5	100.0	..	..	..
Looking for first job	19.3	19.5	38.9	..	..	..
Other	30.2	30.9	61.1	..	..	..
Stood down	*2.5	*3.7	6.2	..	..	..
<b>Total</b>	<b>115.4</b>	<b>86.7</b>	<b>202.1</b>	<b>9.0</b>	<b>8.9</b>	<b>8.9</b>

(a) From August 1996, occupation data are classified to the Australian Standard Classification of Occupations, Second Edition. See the Explanatory notes for details. (b) Full-time job for two weeks or more within the last two years.

**TABLE 16. UNEMPLOYED PERSONS BY DURATION OF UNEMPLOYMENT(a),  
VICTORIA, AUGUST 1997**

Particulars	Number ('000)			Percentage distribution		
	Males	Females	Persons	Males	Females	Persons
<b>Duration of unemployment (weeks) -</b>						
Under 2	7.4	6.2	13.6	6.4	7.2	6.7
2 and under 4	5.8	10.0	15.8	5.0	11.6	7.8
4 and under 8	12.5	10.0	22.5	10.8	11.6	11.1
8 and under 13	10.3	6.5	16.8	8.9	7.5	8.3
13 and under 26	12.5	11.8	24.4	10.9	13.6	12.1
26 and under 52	25.2	15.8	41.0	21.8	18.3	20.3
52 and under 104	16.5	11.6	28.2	14.3	13.4	13.9
104 and over	25.2	14.6	39.8	21.8	16.9	19.7
<b>Age (years) -</b>						
15 - 19						
Under 13 weeks	8.9	6.8	15.7	7.7	7.8	7.8
13 weeks and under 52	6.7	5.8	12.5	5.8	6.7	6.2
52 weeks and over	*1.7	*4.0	5.6	*1.5	*4.6	2.8
<b>Total aged 15 - 19</b>	<b>17.3</b>	<b>16.5</b>	<b>33.9</b>	<b>15.0</b>	<b>19.0</b>	<b>16.8</b>
20 - 24						
Under 13 weeks	7.2	7.7	14.9	6.3	8.9	7.4
13 weeks and under 52	8.2	5.4	13.6	7.1	6.2	6.7
52 weeks and over	6.2	4.9	11.1	5.4	5.6	5.5
<b>Total aged 20 - 24</b>	<b>21.6</b>	<b>18.0</b>	<b>39.6</b>	<b>18.7</b>	<b>20.7</b>	<b>19.6</b>
25 and over						
Under 13 weeks	19.8	18.3	38.1	17.1	21.1	18.9
13 weeks and under 52	22.8	16.5	39.3	19.8	19.0	19.4
52 weeks and over	33.8	17.4	51.3	29.3	20.1	25.4
<b>Total aged 25 and over</b>	<b>76.4</b>	<b>52.3</b>	<b>128.7</b>	<b>66.2</b>	<b>60.2</b>	<b>63.7</b>
<b>Total all ages</b>	<b>115.4</b>	<b>86.7</b>	<b>202.1</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>DURATION OF UNEMPLOYMENT (WEEKS)</b>						
<b>Average (mean) duration-</b>						
Aged 15 - 19	22.5	30.7	26.5	..	..	..
Aged 20 - 24	51.9	48.1	50.2	..	..	..
Aged 25 and over	82.1	56.3	71.6	..	..	..
<b>All ages</b>	<b>67.5</b>	<b>49.7</b>	<b>59.9</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>Median duration (b)-</b>						
Aged 15 - 19	12.0	17.0	13.0	..	..	..
Aged 20 - 24	30.0	18.0	26.0	..	..	..
Aged 25 and over	36.0	26.0	30.0	..	..	..
<b>All ages</b>	<b>30.0</b>	<b>23.0</b>	<b>26.0</b>	<b>..</b>	<b>..</b>	<b>..</b>

(a) Period from the time a person began looking for work, or was laid off to the end of the reference week. Periods of unemployment are recorded in complete weeks resulting in a slight understatement of duration of unemployment. (b) For information regarding the calculation of standard errors, refer to the technical notes in Labour Force, Australia (6203.0).

## EXPLANATORY NOTES

### INTRODUCTION

This publication contains estimates of the civilian labour force derived from the Labour Force Survey component of the Monthly Population Survey. Estimates of the labour force characteristics of family members are also included.

### POPULATION SURVEY

2 The population survey is based on a multi-stage area sample of private dwellings (currently about 30,000 houses, flats, etc.) and a list sample of non-private dwellings (hotels, motels, etc.), and covers about 0.5% of the population of Australia. The information is obtained from the occupants of selected dwellings by specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the reference week). The ABS has introduced the use of telephone interviewing into the Labour Force Survey. Households selected for the Labour Force Survey are interviewed each month for 8 months, with one eighth of the sample being replaced each month. The first interview will continue to be conducted face-to-face. Subsequent interviews will then be conducted by telephone (if acceptable to the respondent). Telephone interviewing was phased in for each new sample group from August 1996 to February 1997.

### SCOPE

3 The Labour Force Survey includes all persons aged 15 and over except:

- members of the permanent defence forces;
- certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- overseas residents in Australia; and
- members of non-Australian defence forces (and their dependants) stationed in Australia.

### COVERAGE

4 In the Labour Force Survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. The chance of a person being enumerated at two separate dwellings in the one survey is considered to be negligible. See paragraph 47 for information about the effect of the coverage rules on family statistics.

5 Persons who are away from their usual residence for six weeks or less at the time of interview are enumerated at their usual residence (relevant information may be obtained from other usual residents present at the time of the survey).

### POPULATION BENCHMARKS

6 Labour Force Survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the usually resident population aged 15 and over by age and sex. This procedure compensates for under-enumeration in the survey, and leads to more reliable estimates. Persons who, at the time of interview, are overseas for more than six weeks but for less than 12 months are included in the independent population statistics (benchmarks) and are thus provided for in the calculation of the estimates. The benchmarks are the latest available estimates at the time the Labour Force Survey is conducted, but they usually differ from the official population estimates subsequently published in *Australian Demographic Statistics* (Cat. no. 3101.0) because they are derived from incomplete information about population changes.

## REVISION OF POPULATION BENCHMARKS

**7** Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each Census of Population and Housing, and when population estimation bases are reviewed. These revisions affect original, seasonally adjusted and trend estimates. The last such revision was made in February 1994 to take account of the results of the 1991 Census of Population and Housing, which affected the monthly estimates from January 1989 to January 1994.

**8** Population benchmarks used in the estimation of Labour Force Survey data are compiled according to place of usual residence. For an explanation of the conceptual basis of population estimates, see *Information Paper: Population Estimates: An Outline of The New Conceptual Basis of ABS Population Estimates* (Cat. no. 3216.0). Prior to October 1982, labour force estimates were based on a combination of place of enumeration and place of usual residence.

## HISTORY OF THE SURVEY

**9** National surveys were conducted in February, May, August and November each year from 1964 to February 1978. The survey has been conducted on a monthly basis since February 1978.

## QUESTIONNAIRE CHANGES

**10** The questionnaire used in the survey for the collection of labour force data has been revised from time to time, the latest occasion being for the April 1986 survey. Details of these changes have been published in *Information Paper: Questionnaires Used in the Labour Force Survey* (Cat. no. 6232.0) in March 1978, December 1981, August 1984, June 1986, June 1991 and March 1993.

## INCLUSION OF CONTRIBUTING FAMILY WORKERS

**11** In April 1986, the questionnaire was revised following the extension of the definition of employed persons to include persons who worked without pay between 1 and 14 hours per week in a family business or on a farm (i.e. contributing family workers previously unpaid family helpers). This definition aligned the Australian labour force concepts with the set of definitions adopted by the 13th International Conference of Labour Statisticians in October 1982.

**12** Previously, contributing family workers who worked 1 to 14 hours, or who had such a job but were not at work, were defined as either unemployed or not in the labour force, depending on whether they were actively looking for work.

**13** A revised procedure for weighting families estimates, was also introduced in April 1986.

## COMPARABILITY OF SERIES

**14** As noted in paragraph 7, estimates from January 1989 were revised to conform to revised population estimates following the 1991 Census of Population and Housing, and are thus not strictly comparable with estimates for periods prior to January 1989. An examination of the revised estimates showed that the effects on Labour Force Survey estimates for the period before January 1989 were inconsequential, and that no meaningful purpose would be served by publishing revised estimates for that period.

**15** Comparability with estimates produced from the quarterly Survey of Employment and Earnings is affected by the use of a different survey methodology and definitions. The Labour Force Survey provides estimates of people in jobs whereas the Survey of Employment and Earnings provides an estimate of the number of jobs held by wage and salary earners. A more detailed description of the differences between these two series is available on request.



## SURVEY SAMPLE REDESIGN

**16** Following each Population Census, the ABS redesigns and reselects the Labour Force Survey to take into account the new information which is obtained from the Census. The sample used in the Labour Force Survey from September 1987 to August 1992, which was designed and selected using preliminary data from the 1986 Census, was updated and reselected using information collected in the 1991 Census. The new sample was phased in over the period September 1992 to December 1992. For additional information, see *Information Paper: Labour Force Survey Sample Design* (Cat. no. 6269.0), available from any ABS office.

**17** The sampling fractions for each State/Territory differ and are such that the resultant sample yields reliable estimates of the main labour force aggregates for each State and Territory. The sampling fraction for Victoria has been changed from 1 in 230 to 1 in 242.

## VICTORIAN REGIONS

**18** In addition to the introduction of the new sampling fraction, the labour force regions were redesigned to provide more relevant small area data.

**19** The changes were as follows:

- Melbourne Major Statistical Region was expanded to include the whole of the Shires of Cranbourne, Healesville and Pakenham, and part of the Shire of Upper Yarra;
- The old Mornington Peninsula Region was split into two regions: South Eastern Melbourne and the revised Mornington Peninsula region. There was approximately a 4% increase in the population of these aggregated regions due to the changes mentioned above. The two new regions are generally, but not strictly, comparable with the old region *when aggregated*;
- The Outer Eastern Melbourne Statistical Region now includes a small part of the old Eastern Victoria region. This resulted in a small population increase of about 3.5%. As such the series should still be generally but not strictly comparable;
- The Eastern Victoria region was named the All Gippsland region. Due to the partial inclusion of the area covered by the old region in the Outer Eastern Melbourne Region and the corresponding drop in population of about 14%, All Gippsland is not comparable with Eastern Victoria;
- The South Western Victoria region was renamed as the Barwon-Western District region. Data for this region are still comparable;
- North Western Victoria and Northern Victoria regions were replaced by three new regions: Central Highlands-Wimmera, Loddon-Campaspe-Mallee and Goulburn-Ovens-Murray. The three new regions are still comparable with the old two regions *when aggregated*.

**20** Detailed maps of the new Labour Force Statistical Regions are presented at the end of this publication. More information on the changes to regional boundaries is available in the *Information Paper: Regional Labour Force Statistics* (Cat. no. 6262.0).

## POTENTIAL EFFECTS ON LABOUR FORCE SURVEY ESTIMATES

**21** The initial sampling error for Victorian estimates rose slightly, but will decline gradually over the life of the sample. The standard errors for the estimates of month-to-month movements produced over the period September 1992 to December 1992 were higher compared with those for the corresponding series produced prior to this period and from January 1993 onwards. In general, these were estimated to be up to 20% higher than the normal standard errors on monthly movements.

22 Analysis has shown that the unemployment rate is marginally higher (less than 0.5 percentage points on average) for those persons in sample for the first time. Normally, this does not affect the overall estimates of month-to-month movements because the number of persons in sample does not change significantly. However, during the transition period, there were about twice as many persons as usual in sample for the first time. This may have caused a small upward movement (of less than 0.1 percentage points on average) in the unemployment rate from August to September 1992 and a compensating decrease from December 1992 to January 1993.

23 For additional information, see *Information Paper: Labour Force Survey Sample Design* (Cat. no. 6269.0), available from any ABS office.

## RELIABILITY OF THE ESTIMATES

24 Estimates in this publication are subject to two sources of error:

- **sampling error:** since the estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error of an estimate (see paragraphs 26 to 29); and
- **non-sampling error:** inaccuracies may occur because of imperfections in reporting by respondents and interviewers and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

25 As the above problems are compounded when the statistics are disaggregated to regional data, users are particularly advised to treat month-to-month movements for regional data with caution. (See the following paragraphs for more detail on determining the reliability of month-to-month movements.)

## STANDARD ERROR TABLES

26 To assist you in determining the reliability of the various estimates contained in this publication, tables of standard errors of level estimates and month-to-month movements are included.

27 Use the table of standard errors of level estimates to determine the accuracy of most estimates contained in this publication. Use the tables of month-to-month movements to determine the accuracy of estimates when comparing one month's figures with another. This is particularly important with month-to-month movements in determining *whether or not the estimates indicate that a significant change has occurred*.

28 To use the tables, locate the figure in the *Size of estimate* column which is nearest in value to the estimate you wish to use. If you are comparing movements use the larger estimate. Read across the table until you find the column for the geographic area covered by the estimate concerned. This figure is one standard error.

29 There are approximately two chances in three that the true value which the estimate is attempting to measure is within plus or minus one standard error of the estimate. There are approximately nineteen chances in twenty that the true value is within plus or minus twice this amount.

**30** A similar technique is used for month-to-month movements of estimates. After finding the standard error of the larger of the two estimates from the table of month-to-month movements of estimates (as in paragraph 28) compare the movement to one standard error; if the movement is larger then this indicates a likelihood that a change has occurred. If the movement is larger than two standard errors then this is a fairly reliable indicator of the change.

**31** If comparing quarterly movements multiply the standard error by a factor of 1.1 before comparing it to the movement. If comparing annual movements multiply by a factor of 1.3 before making the comparison.

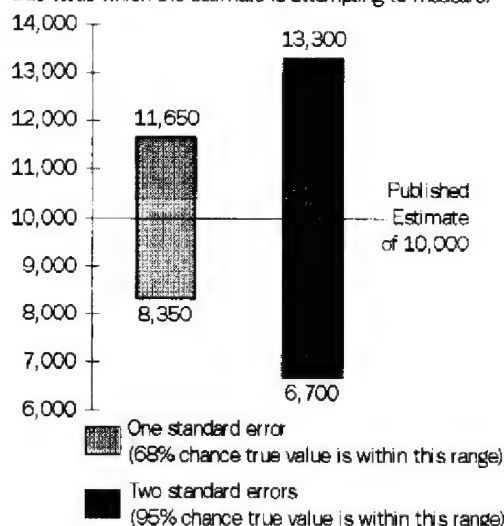
**32** Another useful measure of reliability is relative standard error (RSE). The relative standard error of an estimate is the amount by which an estimate is likely to vary (one standard error) as a percentage of its size.

**33** To calculate the relative standard error of an estimate, divide one standard error of the estimate by the estimate and multiply by 100.

**34** Estimates with a relative standard error of 10% or less can be regarded as statistically reliable enough for most uses. Estimates with a relative standard error of 25% or more should not be regarded as reliable and care should be exercised when using them. All such estimates in this publication have been marked with an asterisk (\*).

**35** For this survey this warning applies to estimates of 4,600 or less for Victoria. Different geographic areas have different points at which the 25% relative standard error cut off takes effect. These are listed in Table A.

One standard error on a published estimate for Victoria is 1,650. The diagram shows the probable location of the true value which the estimate is attempting to measure.



## DIFFERENCES BETWEEN CENSUS AND LABOUR FORCE SURVEY ESTIMATES

**36** The results of the 1991 Census of Population and Housing show that labour force estimates derived from the Census differ from those derived from the Labour Force Survey.

**37** The broad concepts underlying the measures of the labour force and its components, employment and unemployment, are similar in the census and the surveys. It should be noted, however, that census estimates of unemployment do not take into account the 'available for work' criterion.

**38** There are considerable differences in both the collection methodology adopted (including the detailed questions asked) and estimation procedures. Factors contributing to differences in estimates include under-enumeration in the population census for which census labour force estimates have not been adjusted, the use in the Labour Force Survey of population benchmarks derived from incomplete information about population change (see paragraph 6), the inclusion of permanent defence forces in census estimates, the personal interview approach adopted in the survey as opposed to self-enumeration of census schedules, differing questions used to determine labour force characteristics (particularly the identification of unemployed persons) and differing methods of adjustment for non-response to the survey or census.

**39** The Labour Force Survey provides detailed and up-to-date estimates of employment and unemployment for Australia, States and regions, whereas the Census of Population and Housing provides counts for small areas but in less detail than is available from the survey.

**40** These considerations should be borne in mind when comparisons are made between population census and Labour Force Survey estimates.

## SEASONAL ADJUSTMENT

**41** Seasonally adjusted series are published in Table 2. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be recognised more clearly. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. This means that month-to-month movements of the seasonally adjusted estimates may not be reliable indicators of trend behaviour. For example, irregular factors unrelated to the trend account for more than half the seasonally adjusted movement with the following frequency:

Employment: 5 in 10 monthly movements  
Unemployment: 7 in 10 monthly movements  
Unemployment rate: 7 in 10 monthly movements  
Participation rate: 9 in 10 monthly movements

**42** The seasonal factors for all seasonally adjusted series are reviewed annually to take account of each additional year's original data. The latest review, in February 1997, revised the Australian and State seasonally adjusted and trend monthly series back to February 1978. Information about the method of adjustment was published in the feature article of the February 1997 issue of *Labour Force, Australia* (Cat. no. 6203.0). Revised seasonally adjusted and trend estimates for all months for Australia and the States are available on request.

## TREND ESTIMATION

**43** Smoothing seasonally adjusted series produces a measure of trend by reducing the impact of the irregular component of the series. The monthly trend estimates are derived by applying a 13-term Henderson weighted moving average to all months except the last six. The last six monthly trend estimates are obtained by applying surrogates of the Henderson average to the seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time. Table 3 shows trend estimates

for the past 15 months. Trend series graphs are shown on page 1. Data from February 1978 are available on the ABS on-line data dissemination service, PC-AUSSTATS.

44 While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller, and after three months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors mentioned above in paragraph 42.

45 Users may wish to refer to the ABS publication *A Guide to Interpreting Time Series—Monitoring Trends, an Overview* (Cat. no. 1348.0) for further information about trend estimates.

#### LABOUR FORCE STATUS AND OTHER CHARACTERISTICS OF FAMILIES

46 As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their relationship in the household and the estimation of families. In this publication, Table 5 shows the labour force status and relationship in the household of individuals. The new classification *Family type* and information on families rather than the household relationship of individuals is contained in *Labour Force, Australia* (Cat. no. 6203.0).

47 Because of the coverage rules, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, hospitals, etc.). The determination of family structure and family characteristics in such cases is difficult. Thus for survey questions used to determine family relationships, scope was further restricted to usual residents of private dwellings and the following persons were excluded:

- all persons enumerated in non-private dwellings (including hotels, motels, hospitals and other institutions); and
- persons enumerated as visitors to (rather than usual residents of) private dwellings.

48 In addition, in those households where it was not possible to obtain information relating to all the usual residents, no family information was recorded. Thus persons living in households which include a member of the permanent defence forces, who is outside the scope of the population survey, are excluded from survey questions used to determine family relationships because family information could not be obtained from each usual resident. Similarly households which, at the time of the survey, have one or more of their usual residents away for more than six weeks, are excluded from the family survey. This also applies to households from which an incomplete or inadequate questionnaire was obtained for any usual resident in on scope and coverage. Generally, relationship in household is determined for more than 90% of all civilians aged 15 and over.

#### CHANGES IN FAMILIES CLASSIFICATIONS

49 The *Relationship in household* classification was introduced in the May 1994 issue of this publication to align with recently established ABS standards. Most categories in this classification remain comparable with categories in the previous classification. The cases in which there are breaks in comparability are as follows:

**50 Relationship in household.** This classification was previously referred to as *Family status*.

- *Lone parents* (previously referred to as *Sole parents*) now includes parents with non-dependent children (provided those children are without a spouse or children of their own). These *Lone parents without dependants* are shown separately in Table 5.
- *Dependent students* (previously *Full-time students aged 15-24*) now comprise sons or daughters (of a couple or a lone parent) aged 15 to 19 attending school or aged 15 to 24 attending a tertiary educational institution full-time. Other related full-time students, who were also previously classified as *Full-time students aged 15-24* are now included in *Other family persons*.
- *Other family persons* now comprises the previous groups *Other family head*, excluding those now counted as *Lone parents*, the other related full-time students previously classified as *Full-time students aged 15-24* (see above) and *Other relative of married couple or family head*.

## BIRTHPLACE

**51** From April 1991, labour force birthplace data are aggregated according to major groups of the *Australian Standard Classification of Countries for Social Statistics (ASCCSS)* (Cat. no. 1269.0). The ASCCSS was developed by the ABS for use whenever demographic, labour and social statistics are classified by countries.

**52** The ASCCSS major groups are based on the concept of geographic proximity. They differ from the country groups presented in this publication prior to April 1991. For example, African countries are now covered by 'The Middle East and North Africa' and 'Africa (excluding North Africa)', while Asia has been split into 'Southeast Asia', 'Northeast Asia' and 'Southern Asia'. Data for selected individual countries will continue to be available in this publication and comprehensively on microfiche.

## INDUSTRY

**53** From August 1994, Labour Force Survey industry data are classified according to the Australian and New Zealand Standard Industrial Classification (ANZSIC), a detailed description of which appears in *ANZSIC 1993* (Cat. no. 1292.0). Like the previous Australian Standard Industrial Classification (ASIC), ANZSIC classifies businesses according to their economic activities, in a structure consisting of 4 levels (Division, Sub-division, Group and Class). Labour Force Survey data are coded at the Group level, as was the practice under ASIC. To enable the conversion of historical data from ASIC to ANZSIC for the period November 1984 to May 1994, a concordance was published in the August 1994 issue of *Labour Force, Australia* (Cat. no. 6203.0) and in the Information Paper: *Labour Force Survey: Introduction of ANZSIC for Industry data (Replacement publication)* (Cat. no. 6259.0). It has been found that the concordance, which was based on preliminary investigations, did not provide the most appropriate conversion for certain Group level industries. An improved concordance has now been applied to historical Labour Force Survey estimates. This concordance was published in the Appendix to the May 1996 issue of *Labour Force, Australia* (Cat. no. 6203.0) and in a further issue of the above Information Paper.

## STATUS IN EMPLOYMENT

**54** From August 1994, the Labour Force Survey has adopted the International Classification of *Status in employment* (ICSE-93) in place of the previous term *Status of worker*. No definitional changes have been made, the only changes are to the classification titles which are as follows: Employer remains Employer, Wage and salary earner becomes Employee, Self-employed becomes Own account worker and Unpaid family helper becomes Contributing family worker.

## OCCUPATION

**55** From August 1996, Labour Force Survey occupation data are classified according to the Australian Standard Classification of Occupations (ASCO) Second Edition, a detailed description of which appears in *ASCO – Australian Standard Classification of Occupations, Information Paper* (Cat. no. 1221.0). The new version of the classification replaces ASCO First Edition, which was adopted in the survey in August 1986. Like the previous ASCO First Edition, ASCO Second Edition is a skill-based classification of occupations. However, the structure of ASCO Second Edition comprises 5 hierarchical levels (Major Group, Sub-Major Group, Minor Group, Unit Group and Occupation) compared with 4 levels in ASCO First Edition (Major Group, Minor Group, Unit Group and Occupation). Labour Force Survey data are coded to the Unit Group level, as was the practice under ASCO First Edition.

## RELATED PUBLICATIONS

**56** Users may also wish to refer to the following publications which relate to the labour force and are available on request:

*Labour Statistics, Australia* (Cat. no. 6101.0) (annual)

*A Guide to Labour Statistics, Australia* (Cat. no. 6102.0) (irregular)

*Labour Force, New South Wales* (Cat. no. 6201.1) (quarterly)

*Labour Force, Queensland* (Cat. no. 6201.3) (quarterly)

*Labour Force, Australia, Preliminary* (Cat. no. 6202.0) (monthly)

*Labour Force, Australia* (Cat. no. 6203.0) (monthly)

*Labour Force, Australia, 1978–1995* (Cat. no. 6204.0) (irregular)

*Labour Force Projections, Australia* (Cat. no. 6260.0) (irregular)

*Australian Labour Market* (Cat. no. 6284.0) (annual)

### Information Papers

*Questionnaires Used in the Labour Force Survey* (Cat. no. 6232.0) (irregular)

*Regional Labour Force Statistics* (Cat. no. 6262.0) (irregular)

*Labour Force Survey Sample Design* (Cat. no. 6269.0) (irregular)

*Labour Force Survey - Measuring Teenage Unemployment* (Cat. no. 6270.0) (irregular)

*Measuring Employment and Unemployment* (Cat. no. 6279.0) (irregular)

**57** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

## UNPUBLISHED STATISTICS

**58** The ABS can also make available information which is not published. This information is available on a number of media such as floppy disk, microfiche and customised reports. In general, a charge is made for providing unpublished information. Inquiries should be made to any ABS office.

## ROUNDING

**59** Estimates have been rounded and discrepancies may occur between sums of the component items and totals.

## SYMBOLS AND OTHER USAGES

.. not applicable

\* subject to sampling variability too high for most practical uses. See paragraphs 34 and 35.

**STUART JACKSON**  
REGIONAL DIRECTOR, VICTORIA



## GLOSSARY

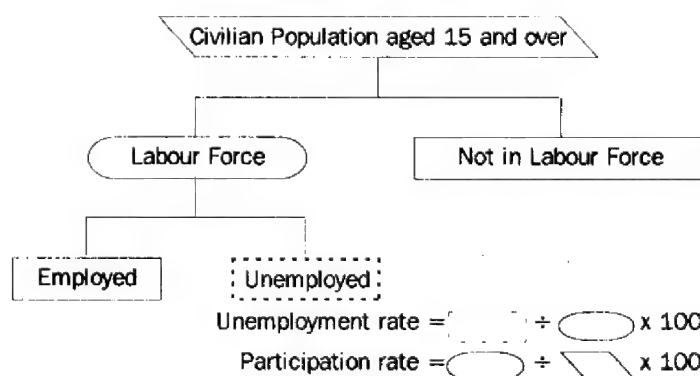
<b>Dependants</b>	All family members under 15 years of age; all sons or daughters aged 15 to 19 attending school or aged 15 to 24 attending a tertiary educational institution full-time (except those classified as husbands, wives or lone parents).
<b>Dependent student</b>	In couple or one-parent families, sons or daughters aged 15 to 19 attending school or aged 15 to 24 attending a tertiary educational institution full-time (except those classified as husbands, wives or lone parents).
<b>Employed</b>	Persons aged 15 years and over who, during the reference week: <ul style="list-style-type: none"> <li>■ worked for one hour or more for pay, profit, commission, or payment in kind in a job or business, or on a farm (comprising employees, employers, and own account workers); or</li> <li>■ worked for one hour or more without pay in a family business or on a farm (i.e. contributing family worker); or</li> <li>■ were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or</li> <li>■ were employers, own account workers or contributing family workers who had a job, business, or farm, but were not at work.</li> </ul>
<b>Full-time workers</b>	Employed persons who usually worked 35 hours or more a week (in all jobs) and others who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.
<b>Hours worked</b>	The figures of aggregate hours and average hours refer to actual hours worked during the reference week, not hours paid for.
<b>Household</b>	A group of one or more persons in a private dwelling who consider themselves to be separate from other persons (if any) in the dwelling, and who make regular provision to take meals separately from other persons, i.e. at different times or in different rooms. Lodgers who receive accommodation but not meals are treated as separate households. Boarders who receive both accommodation and meals are not treated as separate households. A household may consist of any number of families and non-family members.
<b>Industry</b>	From August 1994, classified to the <i>Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993</i> (Cat. no. 1292.0).
<b>Labour force</b>	For any group, persons who were employed or unemployed, as defined.
<b>Lone parent</b>	The head of a one-parent family.
<b>Lone person</b>	A person who is the sole member of a household.
<b>Marital status</b>	Persons are classified as married (husband and wife) if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not-married category comprises persons who have never married, or are separated,



widowed or divorced as well as those who although reported as being married, did not have a spouse who usually lived in the household.

<b>Non-dependent child</b>	In couple or one-parent families, sons or daughters aged 15 or over not attending school or a tertiary educational institution full-time (except those classified as husbands, wives or lone parents).
<b>Non-family member</b>	A person who is not related to any other member of the household in which they are living.
<b>Not in the labour force</b>	Persons who were not in the categories employed or unemployed, as defined.
<b>Occupation</b>	From August 1996, classified according to the <i>Australian Standard Classification of Occupations (ASCO) Second Edition</i> (Cat. no. 1220.0).
<b>Participation rate</b>	For any group, the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.
<b>Part-time workers</b>	Employed persons who usually worked less than 35 hours a week and who did so during the reference week.
<b>Status in employment</b>	Employed persons classified by whether they were Employers, Own account workers, Employees, or Contributing family workers.
<b>Unemployed</b>	Persons aged 15 years and over who were not employed during the reference week, and: <ul style="list-style-type: none"> <li>■ had actively looked for full-time or part-time work at any time in the four weeks up to the end of the reference week and;</li> <li>■ were available for work in the reference week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the reference week); or</li> <li>■ were waiting to start a new job within four weeks from the end of the reference week and would have started in the reference week if the job had been available then; or</li> <li>■ were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the reference week (including the whole of the reference week) for reasons other than bad weather or plant breakdown.</li> </ul>
<b>Unemployment rate</b>	For any group, the number of unemployed persons expressed as a percentage of the labour force in the same group.

The Labour Force framework, showing the derivation of Unemployment and Participation rates.



# A

## STANDARD ERRORS OF ESTIMATES, VICTORIAN LABOUR FORCE REGIONS, FROM SEPTEMBER 1992

Size of Westimate	Victoria; Melbourne MSR;										South Eastern										Loddon- Campaspe- Mallee; Goulburn- Ovens- Murray																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Balance of Victoria MSR					North Western Melbourne					Outer Western Melbourne					Inner Melbourne					North Eastern Melbourne					Inner Eastern Melbourne					Southern Melbourne					Outer Eastern Melbourne					Melbourne; Mornington Peninsula					Barwon- Western District					Central Highlands- Wimmera					All Gippsland																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	300	500	700	1 000	1 500	2 000	2 500	3 000	3 500	4 000	4 500	5 000	5 500	6 000	6 500	7 000	7 500	8 000	8 500	9 000	9 500	10 000	10 500	11 000	11 500	12 000	12 500	13 000	13 500	14 000	14 500	15 000	15 500	16 000	16 500	17 000	17 500	18 000	18 500	19 000	19 500	20 000	20 500	21 000	21 500	22 000	22 500	23 000	23 500	24 000	24 500	25 000	25 500	26 000	26 500	27 000	27 500	28 000	28 500	29 000	29 500	30 000	30 500	31 000	31 500	32 000	32 500	33 000	33 500	34 000	34 500	35 000	35 500	36 000	36 500	37 000	37 500	38 000	38 500	39 000	39 500	40 000	40 500	41 000	41 500	42 000	42 500	43 000	43 500	44 000	44 500	45 000	45 500	46 000	46 500	47 000	47 500	48 000	48 500	49 000	49 500	50 000	50 500	51 000	51 500	52 000	52 500	53 000	53 500	54 000	54 500	55 000	55 500	56 000	56 500	57 000	57 500	58 000	58 500	59 000	59 500	60 000	60 500	61 000	61 500	62 000	62 500	63 000	63 500	64 000	64 500	65 000	65 500	66 000	66 500	67 000	67 500	68 000	68 500	69 000	69 500	70 000	70 500	71 000	71 500	72 000	72 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MSR = Major Statistical Region

RSE = Relative Standard Error

# B

## STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS, VICTORIAN LABOUR FORCE REGIONS, FROM JANUARY 1993

Size of larger estimate	Victoria; Melbourne													South Eastern					Loddon- Campaspe- Mallee; Goulburn- Ovens- Murray					
	Balance of Victoria MSR	North Western Melbourne			Outer Western Melbourne		Inner Melbourne		North Eastern Melbourne		Inner Eastern Melbourne		Southern Melbourne		Outer Eastern Melbourne		Outer Mornington Peninsula		Barwon- Western District		Central Highlands- Wimmera		All Gippsland	
		MSR	Melbourne	Western	Melbourne	Western	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne	Melbourne		Melbourne
300	380	170	210	220	200	210	210	210	210	210	210	210	210	210	210	210	210	230	210	230	230	230	230	
500	460	220	260	270	250	270	270	270	250	270	270	270	260	260	260	260	260	280	260	280	280	280	280	
700	510	250	300	310	290	310	310	310	290	310	310	310	300	300	300	300	300	330	300	330	330	330	340	
1 000	590	290	350	370	340	360	360	360	340	360	360	360	350	350	350	350	350	380	350	380	380	380	400	
1 500	680	350	420	440	400	430	430	430	400	430	430	430	420	420	420	420	420	450	420	460	460	460	470	
2 000	760	390	470	500	460	490	490	490	460	490	490	490	480	480	480	480	480	520	470	520	520	520	540	
2 500	820	430	520	550	500	540	540	540	500	540	540	540	520	520	520	520	520	570	520	570	570	570	590	
3 000	880	470	560	590	540	580	580	580	540	580	580	580	570	570	570	570	570	610	560	620	620	620	640	
4 000	980	530	640	670	620	660	660	660	620	660	660	660	640	640	640	640	640	700	640	700	700	700	730	
5 000	1 050	580	700	740	680	730	730	730	680	730	730	730	710	710	710	710	710	770	700	770	770	770	800	
7 000	1 200	680	820	850	790	840	840	840	790	840	840	840	820	820	820	820	820	890	810	890	890	890	930	
10 000	1 350	790	950	1 000	920	980	980	980	920	980	980	980	960	960	960	960	960	1 050	950	1 050	1 050	1 050	1 100	
15 000	1 600	940	1 150	1 200	1 100	1 150	1 150	1 150	1 100	1 150	1 150	1 150	1 150	1 150	1 150	1 150	1 150	1 250	1 150	1 250	1 250	1 250	1 300	
20 000	1 750	1 050	1 300	1 350	1 250	1 350	1 350	1 350	1 250	1 350	1 350	1 350	1 300	1 300	1 300	1 300	1 300	1 400	1 300	1 400	1 400	1 400	1 450	
30 000	2 050	1 250	1 550	1 600	1 500	1 600	1 600	1 600	1 500	1 600	1 600	1 600	1 550	1 550	1 550	1 550	1 550	1 650	1 500	1 700	1 700	1 700	1 750	
50 000	2 450	1 600	1 900	2 000	1 850	1 950	1 950	1 950	1 850	1 950	1 950	1 950	1 900	1 900	1 900	1 900	1 900	2 100	1 900	2 100	2 100	2 100	2 200	
70 000	2 800	1 850	2 200	2 300	2 150	2 300	2 300	2 300	2 150	2 300	2 300	2 300	2 250	2 250	2 250	2 250	2 250	2 400	2 200	2 450	2 450	2 450	2 550	
100 000	3 200	2 150	2 600	2 700	2 500	2 650	2 650	2 650	2 500	2 650	2 650	2 650	2 600	2 600	2 600	2 600	2 600	2 800	2 550	2 850	2 850	2 850	2 950	
150 000	3 700	2 550	3 100	3 200	2 950	3 200	3 200	3 200	2 950	3 200	3 200	3 200	3 100	3 100	3 100	3 100	3 100	3 350	3 050	3 400	3 400	3 400	3 550	
200 000	4 100	2 900	3 500	3 650	3 350	3 600	3 600	3 600	3 350	3 600	3 600	3 600	3 500	3 500	3 500	3 500	3 500	3 800	3 450	3 850	3 850	3 850	4 000	
300 000	4 800	3 450	4 150	4 350	4 000	4 300	4 300	4 300	4 000	4 300	4 300	4 300	4 200	4 200	4 200	4 200	4 200	4 500	4 150	4 550	4 550	4 550	4 800	
500 000	5 800	4 300	5 200	5 400	5 000	5 400	5 400	5 400	5 000	5 400	5 400	5 400	5 200	5 200	5 200	5 200	5 200	5 600	5 200	5 700	5 700	5 700	6 000	
1 000 000	7 400																							
2 000 000	9 600																							
5 000 000	13 400																							

MSR = Major Statistical Region

**NOTE:** When comparing quarterly movements multiply standard error by 1.1  
When comparing annual movements multiply standard error by 1.3

# C 25% RELATIVE STANDARD ERROR CUTOFF LEVELS, STATES AND AUSTRALIA, FROM SEPTEMBER 1992

Region	Person estimates	Hours worked	Average hours worked	Average duration of unemployment	Median duration of unemployment
New South Wales	5 300	7 400	2 700	8 600	18 800
Victoria	4 600	6 500	2 300	7 500	16 500
Queensland	3 500	5 000	1 800	5 800	12 600
South Australia	2 400	3 400	1 300	4 000	8 600
Western Australia	2 900	4 000	1 500	4 600	9 900
Tasmania	1 300	1 800	700	2 100	4 400
Northern Territory	1 300	1 800	700	2 100	4 700
Australian Capital Territory	1 000	1 300	500	1 500	3 200
Australia	4 000	5 700	1 900	6 800	15 800
Standard error factor	..	1.2	0.7	1.3	2.0

**NOTE:** Relative standard errors of *hours worked*, *average hours worked*, *average duration of unemployment* and *median duration of unemployment* are obtained by first finding the relative standard error of the total number of persons contributing to the estimate (from Table A) and then multiplying that figure by the listed standard error factor.

## SUPPLEMENTARY AND SPECIAL SURVEYS

The supplementary and special surveys collect data on particular aspects of the labour force. The following is an historical list of supplementary and special labour force surveys. The data are available in publication form, by subscription or on request. It may be possible to order unpublished data on the following supplementary and special surveys by contacting the ABS.

Title of Survey	Catalogue No./ Product No.
Career Experience, Australia. Irregular. Latest issue November 1996	6254.0
Career Paths of Persons with Trade Qualifications, Australia. Irregular. Latest issue 1993	6243.0
Child Care, Australia. Irregular. Latest issue March 1996	4402.0
Employment Benefits, Australia. Irregular. Latest issue August 1994	6334.0.40.001
Job Search Experience of Unemployed Persons, Australia. Annual. Latest issue July 1996	6222.0
Labour Force Experience, Australia. Two-yearly. Latest issue February 1997	6206.0
Labour Force Status and Educational Attainment, Australia. Final issue February 1994	6235.0
Labour Force Status and Other Characteristics of Families, Australia. Annual. Latest issue June 1997	6224.0
Labour Force Status and Other Characteristics of Migrants, Australia. Irregular. Latest issue November 1996	6250.0
Labour Mobility, Australia. Two-yearly. Latest issue February 1996	6209.0
Multiple Jobholding, Australia. Irregular. Latest issue August 1994	6216.0.40.001
Participation in Education, Australia. Annual. Latest issue September 1996	6272.0
Persons Employed at Home, Australia. Irregular. Latest issue September 1995	6275.0
Persons Not in the Labour Force, Australia. Annual. Latest issue September 1996	6220.0
Persons Who Had Re-entered the Labour Force, Australia. Three-yearly. Latest issue July 1995	6264.0.40.001
Persons Who Have Left the Labour Force, Australia. Irregular. Latest issue September 1994	6267.0.40.001
Retirement and Retirement Intentions, Australia. Three-yearly. Latest issue November 1994	6238.0.40.001
Successful and Unsuccessful Job Search Experience, Australia. Two-yearly. Latest issue July 1996	6245.0
Superannuation, Australia. Irregular. Latest issue November 1995	6319.0
Trade Union Members, Australia. Two-yearly. Latest issue August 1996	6325.0
Training and Education Experience, Australia. Irregular. Latest issue 1993	6278.0
Transition from Education to Work, Australia. Annual. Latest issue May 1996	6227.0
Underemployed Workers, Australia. Annual. Latest issue September 1996	6265.0
Weekly Earnings of Employees (Distribution), Australia. Annual. Latest issue August 1995	6310.0.40.001
Working Arrangements, Australia. Irregular. Latest issue August 1995	6342.0.40.001

**STATISTICAL LOCAL AREA (SLA) COMPOSITION OF STATISTICAL REGIONS, VICTORIA, FROM SEPTEMBER 1992**

**Melbourne MSR**

**Outer Western Melbourne SR**

Altona (C)  
Essendon (C)  
Footscray (C)  
Keilor (C)  
Melton (S)  
Sunshine (C)  
Werribee (C)  
Williamstown (C)

**North Western Melbourne SR**

Broadmeadows (C)  
Brunswick (C)  
Bulla (S)  
Coburg (C)

**Inner Melbourne SR**

Collingwood (C)  
Fitzroy (C)  
Melbourne (C)  
    Inner  
    Remainder  
Port Melbourne (C)  
Prahran (C)  
Richmond (C)  
St Kilda (C)  
South Melbourne (C)

**North Eastern Melbourne SR**

Diamond Valley (S)  
Eltham (S)  
Heidelberg (C)  
Northcote (C)  
Preston (C)  
Whittlesea (C)

**Inner Eastern Melbourne SR**

Box Hill (C)  
Camberwell (C)  
Doncaster and Templestowe (C)  
Hawthorn (C)  
Kew (C)  
Waverley (C)

**Southern Melbourne SR**

Brighton (C)  
Caulfield (C)  
Malvern (C)  
Moorabbin (C)  
Mordialloc (C)  
Oakleigh (C)  
Sandringham (C)

**Outer Eastern Melbourne SR**

Croydon (C)  
Healesville (S)  
Knox (C)  
Lillydale (S)  
Nunawading (C)

Ringwood (C)  
Sherbrooke (S)  
Upper Yarra (S) (Pt A)

**South Eastern Melbourne SR**

Berwick (C)  
Cranbourne (S)  
Dandenong (C)  
Pakenham (S)  
Springvale (C)

**Mornington Peninsula SR**

Chelsea (C)  
Flinders (S)  
Frankston (C)  
Hastings (S)  
Mornington (S)

**Balance of Victoria MSR**

**Barwon-Western District SR**

Bannockburn (S) (Pt A & B)  
Barrabool (S) (Pt A & B)  
Belfast (S)  
Bellarine (RC) (Pt A & B)  
Camperdown (T)  
Colac (C)  
Colac (S)  
Corio (S) (Pt A & B)  
Dundas (S)  
Geelong (C)  
Geelong West (C)  
Glenelg (S)  
Hamilton (C)  
Hampden (S)  
Heytesbury (S)  
Heywood (S)  
Lady Julia Percy & Towerhill  
Leigh (S)  
Minhamite (S)  
Mortlake (S)  
Mount Rouse (S)  
Newtown (C)  
Otway (S)  
Port Fairy (B)  
Portland (C)  
Queenscliffe (B)  
South Barwon (C) (Pt A & B)  
Wannon (S)  
Warrnambool (C)  
Warrnambool (S)  
Winchelsea (S)

**Central Highlands -Wimmera SR**

Arapiles (S)  
Ararat (C)  
Ararat (S)  
Avoca (S)  
Bacchus Marsh (S)  
Ballarat (C)  
Ballan (S)  
Ballarat (S) (Pt A & B)

Bungaree (S) (Pt A & B)  
Buninyong (S) (Pt A & B)  
Creswick (S)  
Daylesford & Glenlyon (S)  
Dimboola (S)  
Donald (S)  
Dunmunkle (S)  
Grenville (S) (Pt A & B)  
Horsham (C)  
Kaniva (S)  
Kara Kara (S)  
Kowree (S)  
Lexton (S)  
Lowan (S)  
Ripon (S)  
St Arnaud (T)  
Sebastopol (B)  
Stawell (C)  
Stawell (S)  
Talbot & Clunes (S)  
Warracknabeal (S)  
Wimmera (S)

**Loddon-Campaspe-Mallee SR**

Bendigo (C)  
Bet Bet (S)  
Birchip (S)  
Castlemaine (C)  
Charlton (S)  
Cohuna (S)  
Eaglehawk (B)  
East Loddon (S)  
Echuca (C)  
Gisborne (S)  
Gordon (S)  
Huntley (S) (Pt A & B)  
Karkaroc (S)  
Kerang (B)  
Kerang (S)  
Korong (S)  
Kyneton (S)  
McIvor (S)  
Maldon (S)  
Marong (RC) (Pt A & B)  
Maryborough (C)  
Metcalf (S)  
Mildura (C)  
Mildura (S) (Pt A & B)  
Newham & Woodend (S)  
Newstead (S)  
Pyalong (S)  
Rochester (S)  
Romsey (S)  
Strathfieldsaye (S) (Pt A & B)  
Swan Hill (C)  
Swan Hill (S)  
Tullaroop (S)  
Walpeup (S)  
Whycheproof (S)

**Goulburn-Ovens-Murray SR**

Alexandra (S)  
Beechworth (S)  
Benalla (C)  
Benalla (S)

Bright (S)  
Broadford (S)  
Chiltern (S)  
Cobram (S)  
Deakin (S)  
Euroa (S)  
Goulburn (S)  
Kilmore (S)  
Kyabram (T)  
Mansfield (S)  
Myrtleford (S)  
Nathalia (S)  
Numurkah (S)  
Oxley (S)  
Rodney (S) (Pt A & B)  
Rutherglen (S)  
Seymour (S)  
Shepparton (C)  
Shepparton (S) (Pt A & B)  
Tallangatta (S) (Pt A & B)  
Tungamah (S)  
Upper Murray (S)  
Violet Town (S)  
Wangaratta (C)  
Wangaratta (S)  
Waranga (S)  
Wodonga (RC)  
Yackandandah (S)  
Yarrawonga (S)  
Yea (S)

**All Gippsland SR**

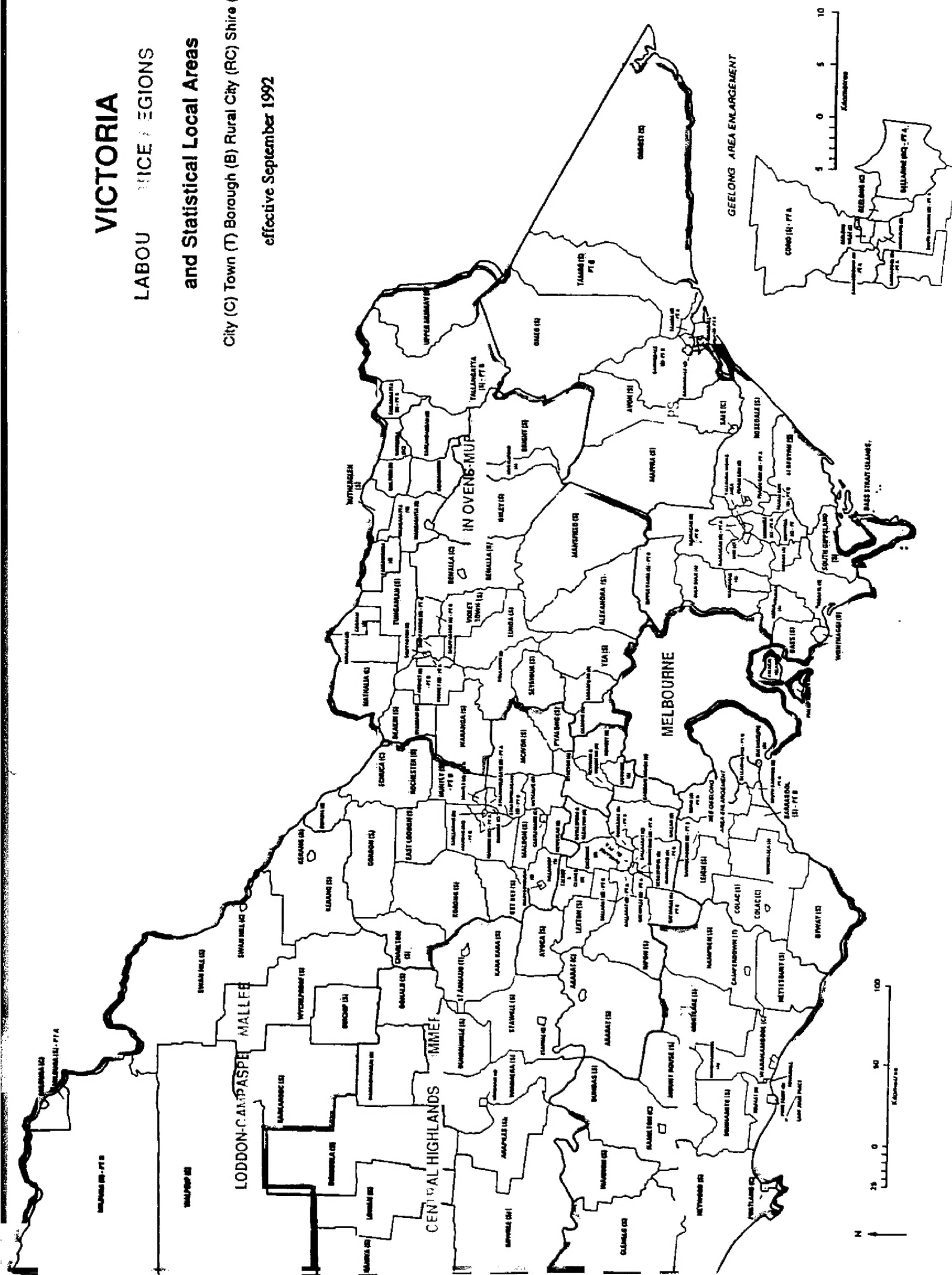
Alberton (S)  
Avon (S)  
Bairnsdale (C)  
Bairnsdale (S) (Pt A & B)  
Bass (S)  
Bass Strait Islands  
Buln Buln (S)  
French Island  
Korumburra (S)  
Maffra (S)  
Mirboo (S)  
Moe (C)  
Morwell (C) (Pt A & B)  
Narracan (S) (Pt A & B)  
Off Shore Areas & Migratory  
Omeo (S)  
Orbost (S)  
Phillip Island (S)  
Rosedale (S)  
Sale (C)  
South Gippsland (S)  
Tambo (S) (Pt A & B)  
Traralgon (C)  
Traralgon (S) (Pt A & B)  
Upper Yarra (S) (Pt B)  
Warragul (S)  
Wonthaggi (B)  
Woorayl (S)  
Yallourn Works Area

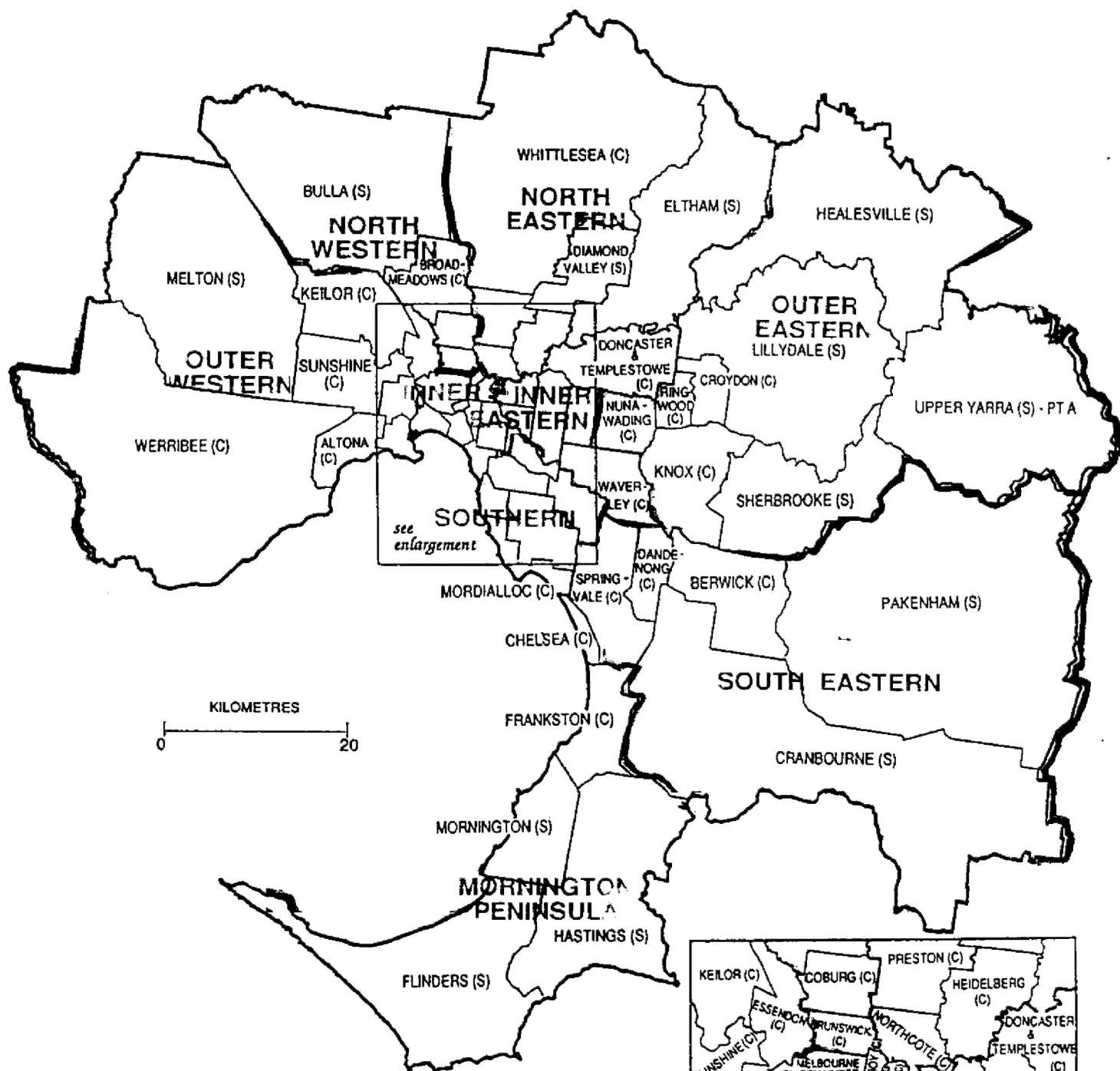
## LABOUR FORCE REGIONS

### and Statistical Local Areas

City (C) Town (T) Borough (B) Rural City (RC) Shire (S)

**effective September 1992**







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